

EXHIBIT 6**INDEX OF SUBMITTED MEASURED DATA**

This exhibit contains the measured data for this equipment as follows:

EXHIBIT 6A – RF Power Output**EXHIBIT 6B – Audio Frequency Response**

- 6B-1: 12.5 kHz Channel Spacing, 467.775MHz, Transmit Audio Frequency Response
- 6B-2: 25 kHz Channel Spacing, 467.775MHz, Transmit Audio Frequency Response
- 6B-3: 25 kHz Channel Spacing, 511.9875MHz, Transmit Audio Frequency Response

EXHIBIT 6C – Audio Low Pass Filter Response

- 6C-1: 12.5 kHz Channel Spacing, 467.775MHz, Transmit Audio Low Pass Filter Response
- 6C-2: 25 kHz Channel Spacing, 467.775MHz, Transmit Audio Low Pass Filter Response
- 6C-3: 25 kHz Channel Spacing, 511.9875MHz, Transmit Audio Low Pass Filter Response

EXHIBIT 6D – Modulation Limiting

- 6D-1: 12.5 kHz Channel Spacing, 467.775MHz, Modulation Limiting
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EXHIBIT 6E – Occupied Bandwidth

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- 6E-2: 450.65 MHz, 12.5 kHz, 2500 Hz Audio Modulation Only, 11K0F3E Mask D
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- 6E-6: 526.9875 MHz, 12.5 kHz, 2500 Hz Audio Modulation Only, 11K0F3E Mask D (Not applicable for FCC/IC)
- 6E-7: 406.2 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B (Not applicable for FCC)
- 6E-8: 450.65 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B, 74.462(c)
- 6E-9: 459.125 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B, Part 22.359(b) FCC Limit
- 6E-10: 467.775 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B, 80.211(f)
- 6E-11: 511.9875 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B (Not applicable for IC)
- 6E-12: 526.9875 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B (Not applicable for FCC/IC)
- 6E-13: 406.2 MHz, 0.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D
- 6E-14: 450.65 MHz, 0.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D
- 6E-15: 459.125 MHz, 0.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D
- 6E-16: 467.775 MHz, 0.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D
- 6E-17: 511.9875 MHz, 0.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D (Not applicable for IC)
- 6E-18: 526.9875 MHz, 0.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D (Not applicable for FCC/IC)
- 6E-19: 406.2 MHz, 0.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D
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6E-22: 467.775 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D
6E-23: 511.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D
(Not applicable for IC)
6E-24: 526.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D
(Not applicable for FCC/IC)
6E-25: 406.2 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W
Mask D
6E-26: 450.65 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W
Mask D
6E-27: 459.125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only,
7K60F1W Mask D
6E-28: 467.775 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only,
7K60F1W Mask D
6E-29: 511.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only,
7K60F1W Mask D (Not applicable for IC)
6E-30: 526.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only,
7K60F1W Mask D (Not applicable for FCC/IC)
6E-31: 467.775 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B, Mask
80.211(c)

EXHIBIT 6F – Transmit Conducted Spurious Emissions

6F-1: 1W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode
6F-2: 1W Harmonic of Carrier 467.775 MHz, 12.5 kHz Channel Spacing, Digital Mode
6F-3: 1W Harmonic of Carrier 511.9875 MHz, 12.5 kHz Channel Spacing, Digital Mode
(Not applicable for IC)
6F-4: 1W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing, Analog Mode
6F-5: 1W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode
6F-6: 1W Harmonic of Carrier 511.9875 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for IC)
6F-7: 4.8W Harmonic of Carrier 406.2 MHz, 12.5 kHz Channel Spacing, Digital Mode
6F-8: 4.8W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode
6F-9: 4.8W Harmonic of Carrier 459.125 MHz, 12.5 kHz Channel Spacing, Digital Mode
6F-10: 4.8W Harmonic of Carrier 467.775 MHz, 12.5 kHz Channel Spacing, Digital Mode
6F-11: 4.8W Harmonic of Carrier 511.9875 MHz, 12.5 kHz Channel Spacing, Digital
Mode (Not applicable for IC)
6F-12: 4.8W Harmonic of Carrier 526.9875 MHz, 12.5 kHz Channel Spacing, Digital
Mode (Not applicable for FCC/IC)
6F-13: 4.8W Harmonic of Carrier 406.2 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for FCC)
6F-14: 4.8W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing, Analog Mode
6F-15: 4.8W Harmonic of Carrier 459.125 MHz, 25 kHz Channel Spacing, Analog Mode
6F-16: 4.8W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode
6F-17: 4.8W Harmonic of Carrier 511.9875 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for IC)
6F-18: 4.8W Harmonic of Carrier 526.9875 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for FCC/IC)

EXHIBIT 6G – Transmit Radiated Spurious Emissions

6G-1: 1W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode
6G-2: 1W Harmonic of Carrier 467.775 MHz, 12.5 kHz Channel Spacing, Digital Mode
6G-3: 1W Harmonic of Carrier 511.9875 MHz, 12.5 kHz Channel Spacing, Digital Mode
(Not applicable for IC)
6G-4: 1W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing, Analog Mode
6G-5: 1W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode

6G-6: 1W Harmonic of Carrier 511.9875 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for IC)
6G-7: 4.8W Harmonic of Carrier 406.2 MHz, 12.5 kHz Channel Spacing, Digital Mode
6G-8: 4.8W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode
6G-9: 4.8W Harmonic of Carrier 459.125 MHz, 12.5 kHz Channel Spacing, Digital Mode
6G-10: 4.8W Harmonic of Carrier 467.775 MHz, 12.5 kHz Channel Spacing, Digital Mode
6G-11: 4.8W Harmonic of Carrier 511.9875 MHz, 12.5 kHz Channel Spacing, Digital
Mode (Not applicable for IC)
6G-12: 4.8W Harmonic of Carrier 526.9875 MHz, 12.5 kHz Channel Spacing, Digital
Mode (Not applicable for FCC/IC)
6G-13: 4.8W Harmonic of Carrier 406.2 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for FCC)
6G-14: 4.8W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing, Analog Mode
6G-15: 4.8W Harmonic of Carrier 459.125 MHz, 25 kHz Channel Spacing, Analog Mode
6G-16: 4.8W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode
6G-17: 4.8W Harmonic of Carrier 511.9875 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for IC)
6G-18: 4.8W Harmonic of Carrier 526.9875 MHz, 25 kHz Channel Spacing, Analog Mode
(Not applicable for FCC/IC)

EXHIBIT 6H - Frequency Stability

6H-1: 467.775 MHz, 0.5 ppm Frequency Stability vs. Temperature
6H-2: 467.775 MHz, 0.5 ppm Frequency Stability vs. Voltage

EXHIBIT 6I – Transient Frequency Behavior

6I-1: 467.775 MHz, 12.5 kHz Channel Spacing – Transmitters On
6I-2: 467.775 MHz, 12.5 kHz Channel Spacing – Transmitters Off
6I-3: 467.775 MHz, 25 kHz Channel Spacing – Transmitter On
6I-4: 467.775 MHz, 25 kHz Channel Spacing – Transmitter Off

**** Please note that the above data were taken following the procedures and limits outlined in TIA 603-D and RSS 119 during the month of October 2015. See Table 2 in Ex07_test procedures**

Radio model tested: AAH02RDH9VA1AN

Important Note: The data in this test report meets or exceeds the technical requirements of FCC Rule Parts 22, 74, 80, 90 and RSS 119.

EXHIBIT 6A**RF Output Power:****Frequency = 406.2 MHz:**

Output RF power	4.61 Watts
DC Voltage	7.50 Volts
DC Current	1.47 Amps

Output RF power	1.31 Watts
DC Voltage	7.50 Volts
DC Current	0.79 Amps

Frequency= 450.65 MHz:

Output RF power	4.62 Watts
DC Voltage	7.50 Volts
DC Current	1.60 Amps

Output RF power	1.28 Watts
DC Voltage	7.50 Volts
DC Current	0.83 Amps

Frequency= 459.125 MHz:

Output RF power	4.61 Watts
DC Voltage	7.50 Volts
DC Current	1.61 Amps

Output RF power	1.26 Watts
DC Voltage	7.50 Volts
DC Current	0.83 Amps

Frequency= 467.775 MHz:

Output RF power	4.57 Watts
DC Voltage	7.50 Volts
DC Current	1.56 Amps

Output RF power	1.25 Watts
DC Voltage	7.50 Volts
DC Current	0.83 Amps

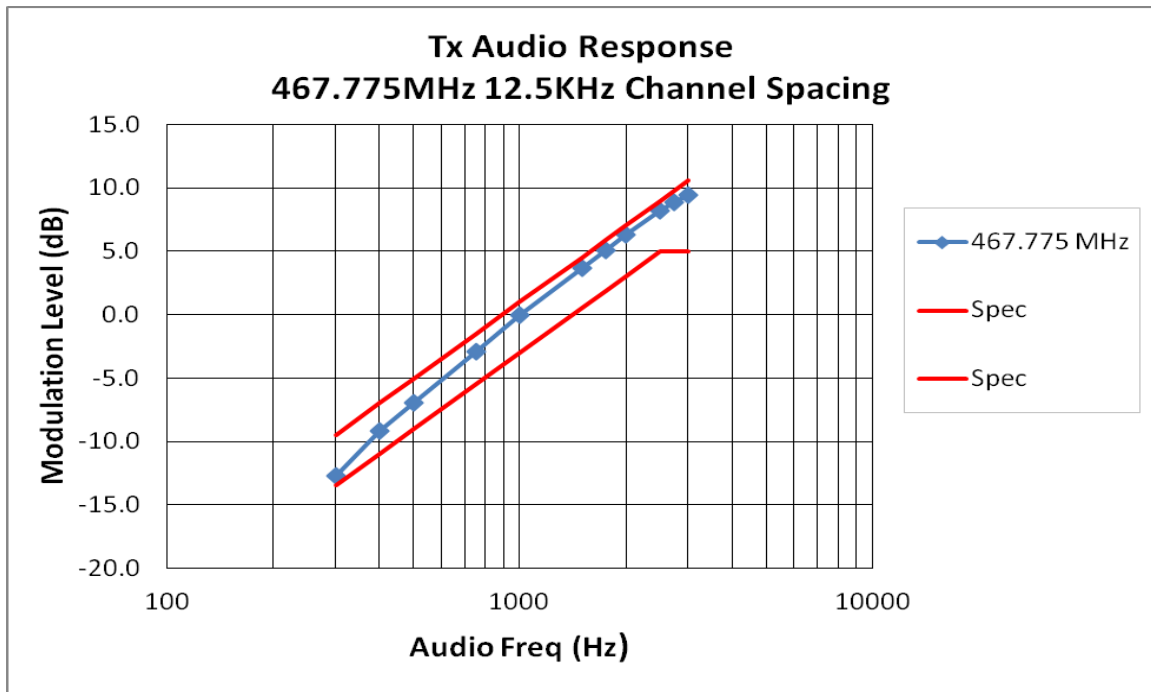
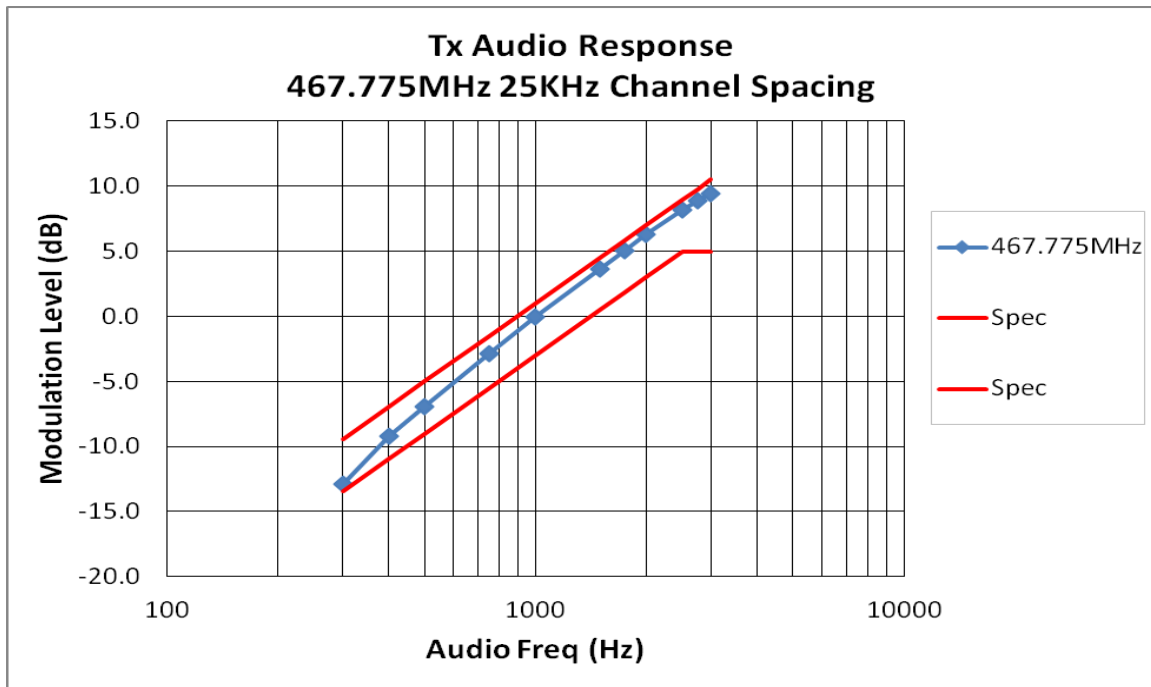
Frequency = 511.9875 MHz:

Output RF power	4.53 Watts
DC Voltage	7.50 Volts
DC Current	1.40 Amps

Output RF power	1.35 Watts
DC Voltage	7.50 Volts
DC Current	0.70 Amps

Frequency = 526.9875 MHz:

Output RF power	4.59 Watts
DC Voltage	7.50 Volts
DC Current	1.58 Amps
Output RF power	1.34 Watts
DC Voltage	7.50 Volts
DC Current	0.75 Amps

EXHIBIT 6B**Audio Frequency Response****Figure 6B-1:** 12.5 kHz Channel Spacing, 467.775MHz, Transmit Audio Frequency Response**Figure 6B-2:** 25 kHz Channel Spacing, 467.775MHz, Transmit Audio Frequency Response

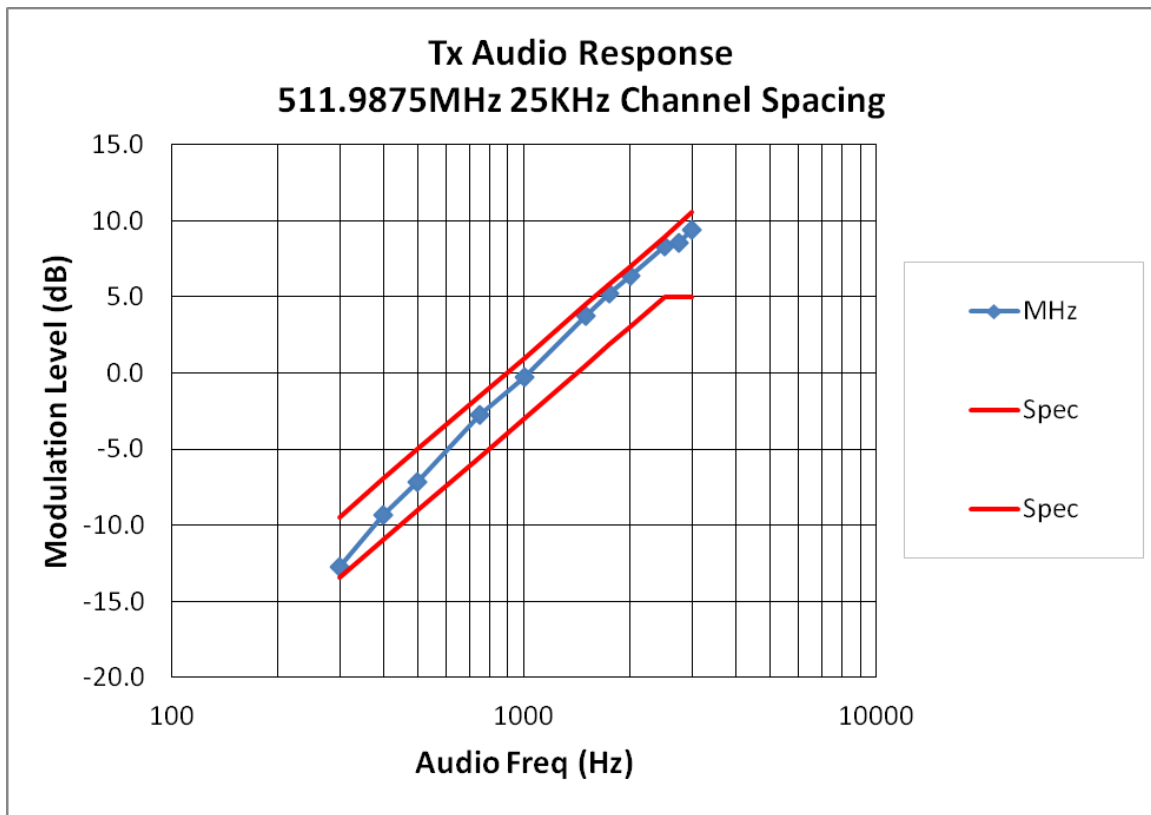


Figure 6B-3: 25 kHz Channel Spacing, 511.9875MHz, Transmit Audio Frequency Response

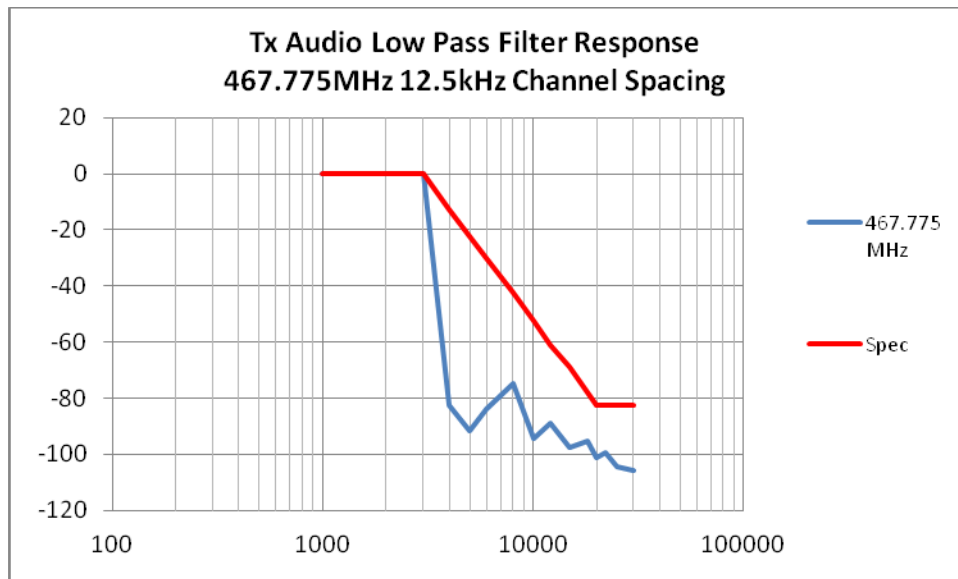
EXHIBIT 6C**Audio Low Pass Filter Response**

Figure 6C-1: 12.5 kHz Channel Spacing, 467.775MHz, Transmit Audio Low Pass Filter Response

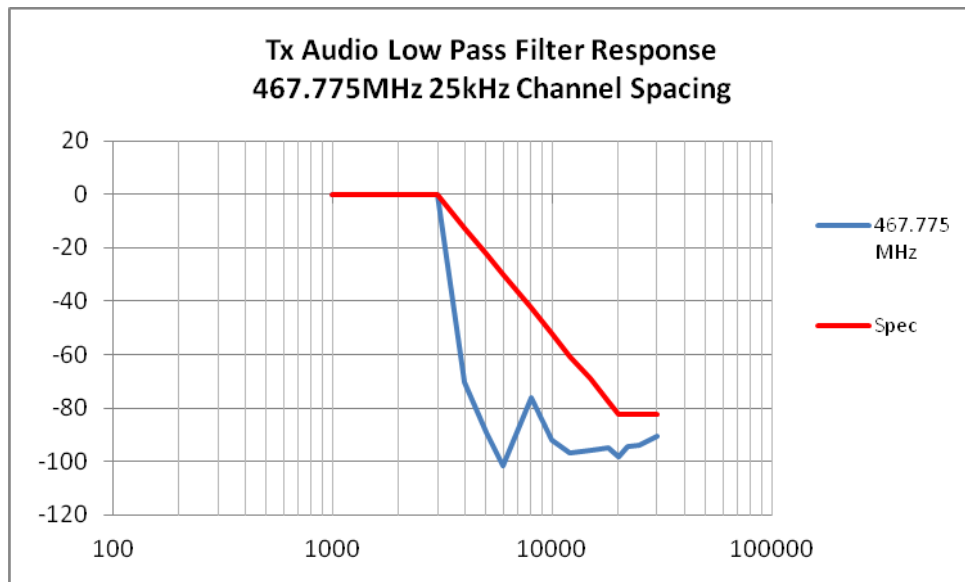


Figure 6C-2: 25 kHz Channel Spacing, 467.775MHz, Transmit Audio Low Pass Filter Response

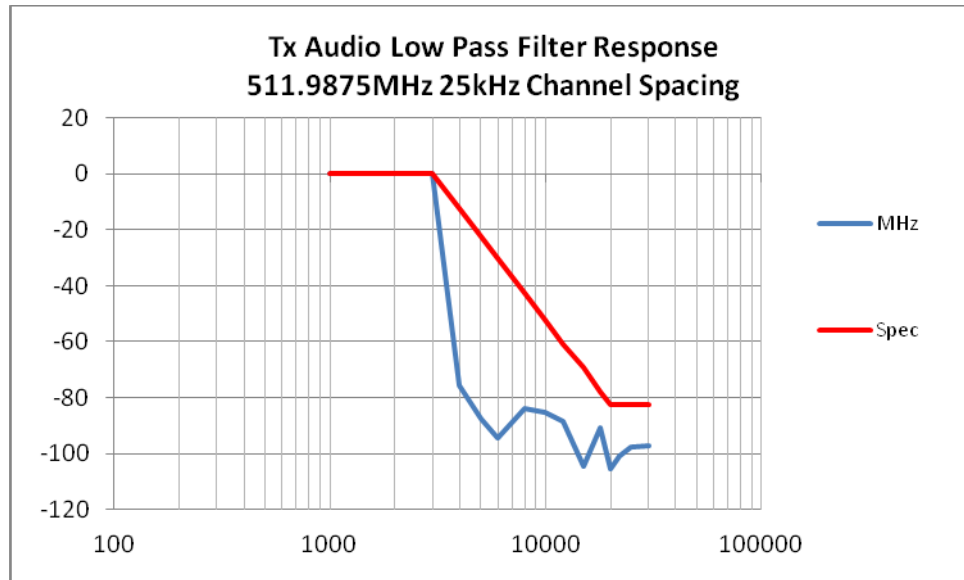


Figure 6C-3: 25 kHz Channel Spacing, 511.9875MHz, Transmit Audio Low Pass Filter Response

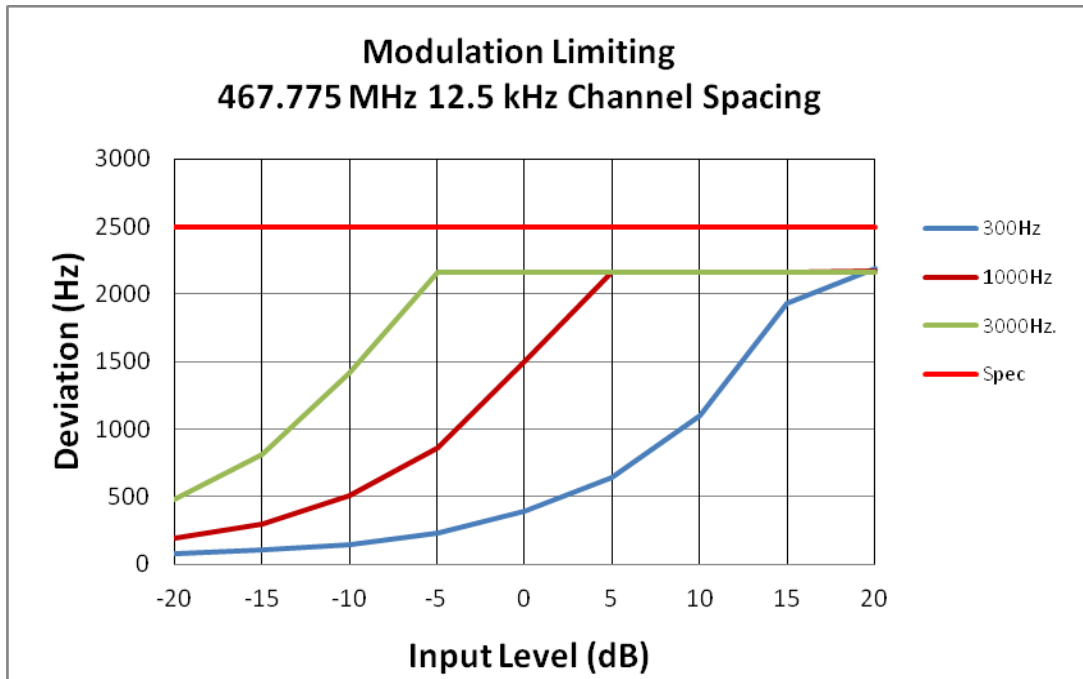
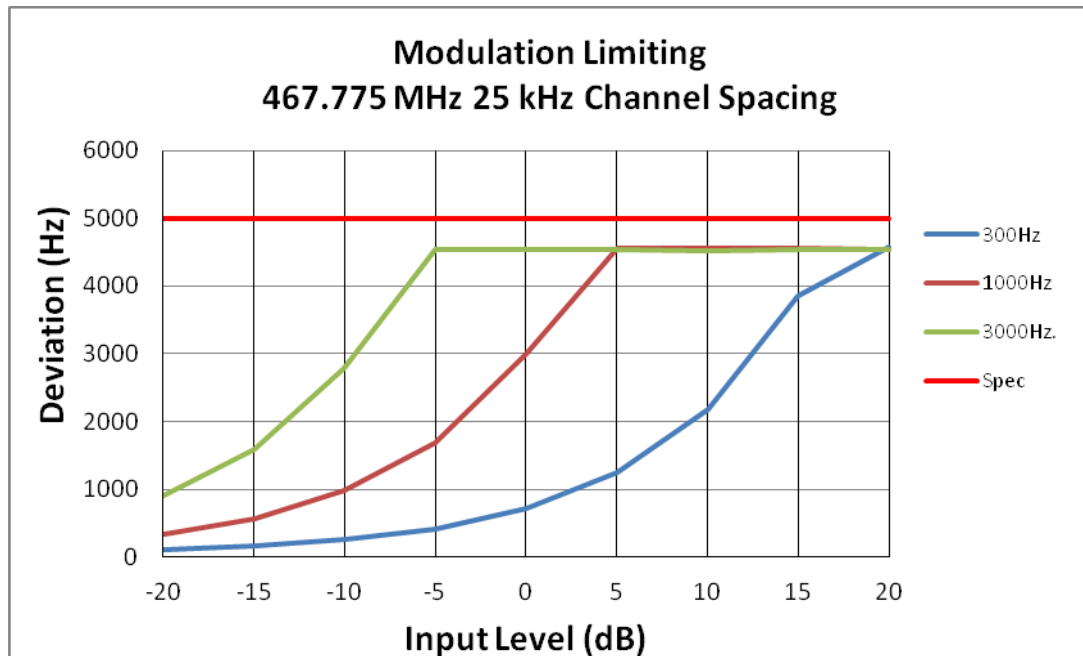
EXHIBIT 6D**Modulation Limiting****Figure 6D-1: 12.5 kHz Channel Spacing, 467.775MHz, Modulation Limiting****Figure 6D-2: 25 kHz Channel Spacing, 467.775MHz, Modulation Limiting**

EXHIBIT 6E**Standard Audio Modulation (25 kHz Channelization, Analog Voice)**

Per CFR Title 47, Part 2, Section 2.201, the Carson's Rule calculation for necessary bandwidth, $BW = 2M + 2DK$, where M = maximum modulating frequency in Hz, D = peak deviation in Hz, and K=1, is as follows:

In this case the maximum modulating frequency is 3.0 kHz with a 5.0 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 5.0 \text{ kHz}) = 16 \text{ kHz} \text{ (16K0 designator)}$$

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation.....	F
A single channel containing analogue information.....	3
Telephony (including sound broadcasting).....	E

The complete emissions designator for this transmitter is **16K0F3E**.

Standard Audio Modulation (12.5 kHz Channelization, Analog Voice)

Per CFR Title 47, Part 2, Section 2.201, the Carson's Rule calculation for necessary bandwidth, $BW = 2M + 2DK$, where M = maximum modulating frequency in Hz, D = peak deviation in Hz, and K=1, is as follows:

In this case the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} \text{ (11K0 designator)}$$

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation.....	F
A single channel containing analogue information.....	3
Telephony (including sound broadcasting).....	E

The complete emissions designator for this transmitter is **11K0F3E**.

4 Level FSK Digital Modulation Techniques

The modulation sends 4800 symbols/sec with each symbol conveying 2 bits of information for a data rate of 9600 bps in a 12.5 kHz channel, which is equivalent to 4800 bps per 6.25kHz. The maximum deviation D , of the symbol is defined as:

$$D = 3h / 2T$$

where:

h is the deviation index defined for the modulation

T is the symbol time (1/4800) in seconds

The deviation index, h , is 0.27. This yields a symbol deviation of 1.944 kHz at the symbol center. The mapping between symbols and bits is shown below:

Information Bits		Symbol	4FSK Deviation
Bit 1	Bit 0		
0	1	+3	+1.944 kHz
0	0	+1	+0.648 kHz
1	0	-1	-0.648 kHz
1	1	-3	-1.944 kHz

A Square Root Raised Cosine Filter is implemented for the modulation low pass filter. The input to the modulation low pass filter consists of a series of impulses separated in time by 208.33 microseconds (1/4800 sec). The group delay of the filter is flat over the passband for $|f| < 2880$ Hz. The magnitude response of the filter is given by the following formula.

$|F(f)|$ = magnitude response of the Square Root Raised Cosine Filter

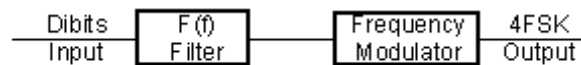
$|F(f)| = 1$ for $|f| \leq 1920$ Hz

$|F(f)| = |\cos(\pi \square f / 1920)|$ for $1920 \text{ Hz} < |f| < 2880 \text{ Hz}$

$|F(f)| = 0$ for $|f| > 2880 \text{ Hz}$

where f = frequency in hertz.

The 4FSK modulator consists of a Square Root Raised Cosine Filter, cascaded with a frequency modulator.



4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (Title 47 CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex	1
Data Transmission, telemetry, telecommand	D

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60F1D**.

4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex	1
Telephony (including sound broadcasting)	E

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60F1E**.

Digital (12.5 kHz Channelization, Digital TDMA)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation

.....	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex	
.....	1
Combination of Data Transmission, telemetry, telecommand (D), and Telephony (E)	...W

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60F1W**.

4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (Title 47 CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation.....	F
Case not otherwise covered.....	X
Data Transmission, telemetry, telecommand.....	D

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60FXD**.

4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice and Data)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation.....	F
Case not otherwise covered.....	X
Telephony (including sound broadcasting).....	E

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60FXE**.

Occupied Bandwidth Measurement

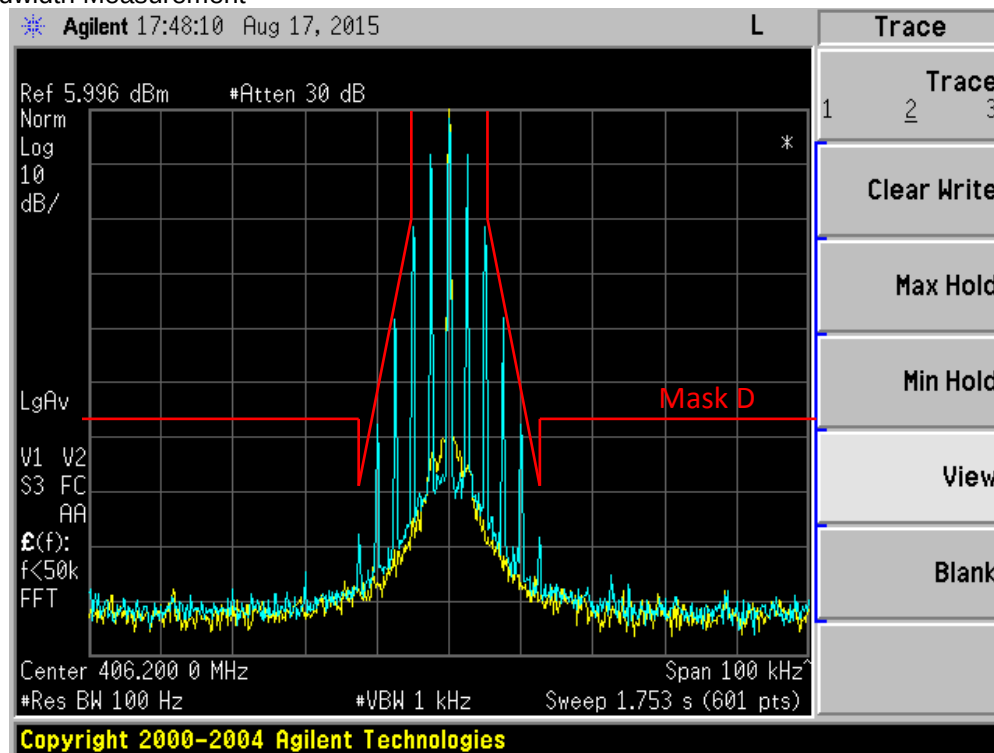


Figure 6E-1: 406.2 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only,
11K0F3E Mask D

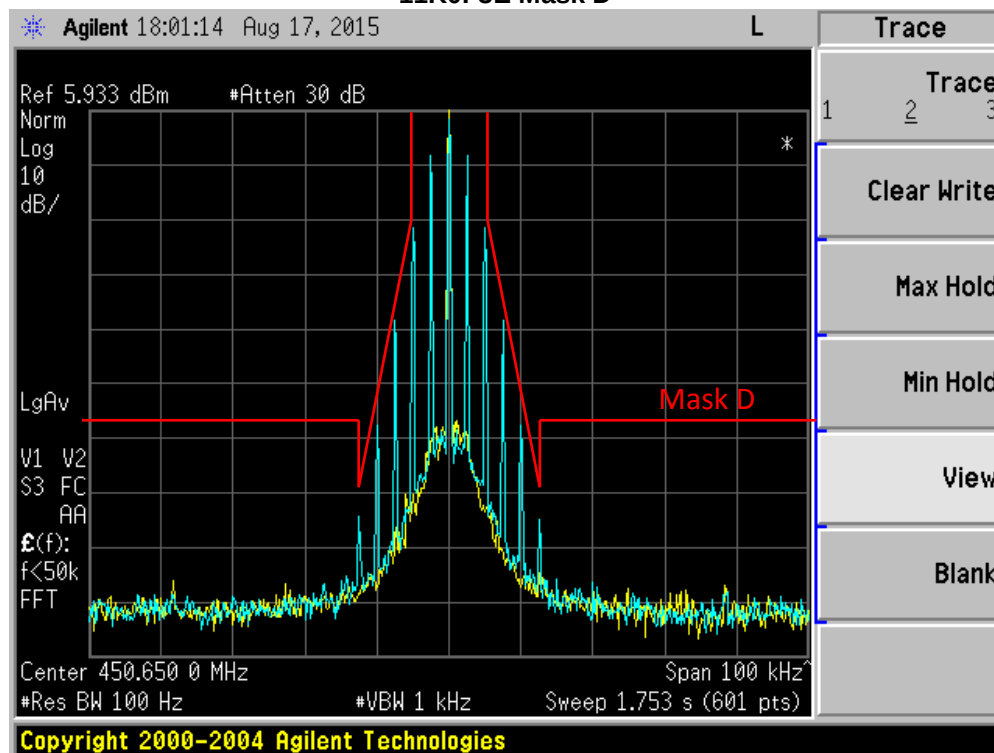


Figure 6E-2: 450.65 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only,
11K0F3E Mask D

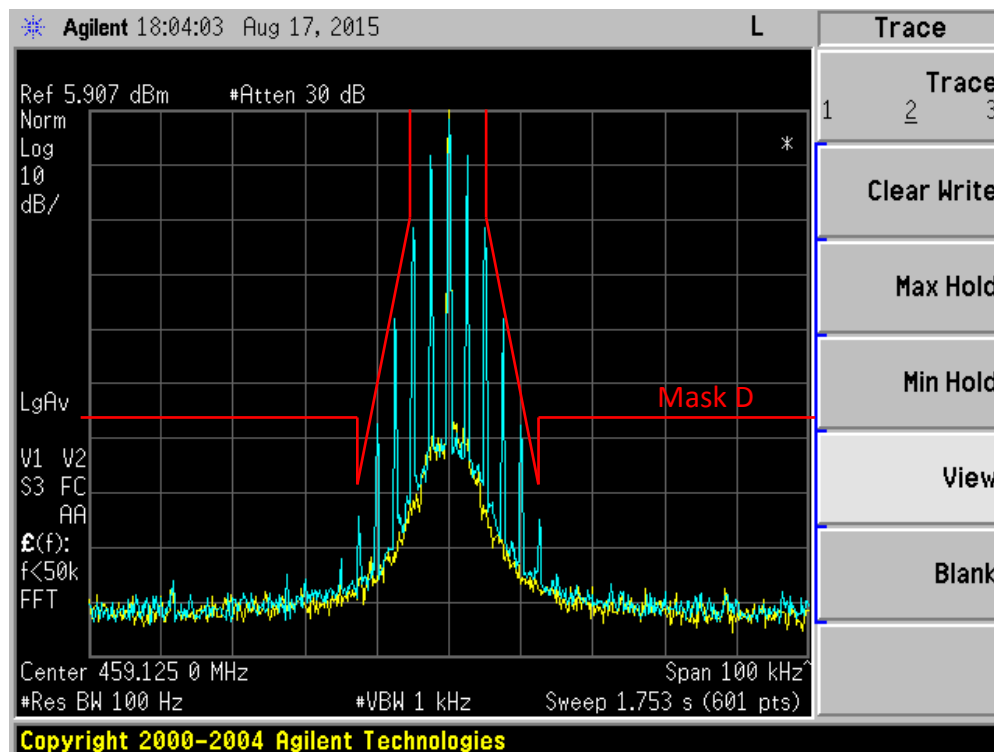


Figure 6E-3: 459.125 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only,
11K0F3E Mask D

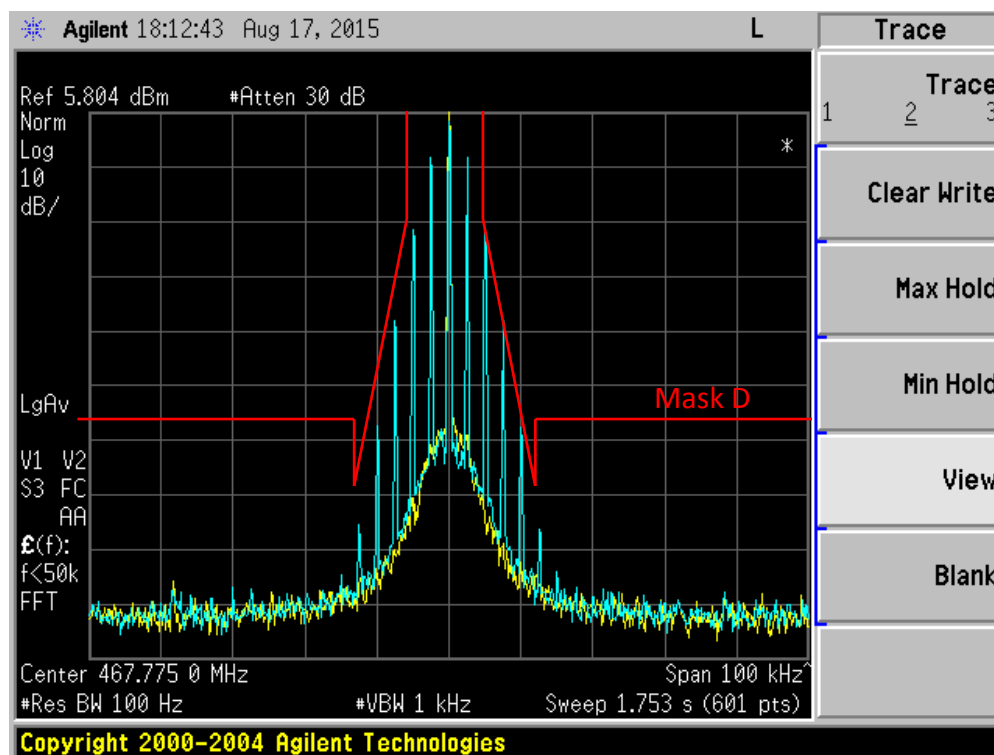


Figure 6E-4: 467.775 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only,
11K0F3E Mask D

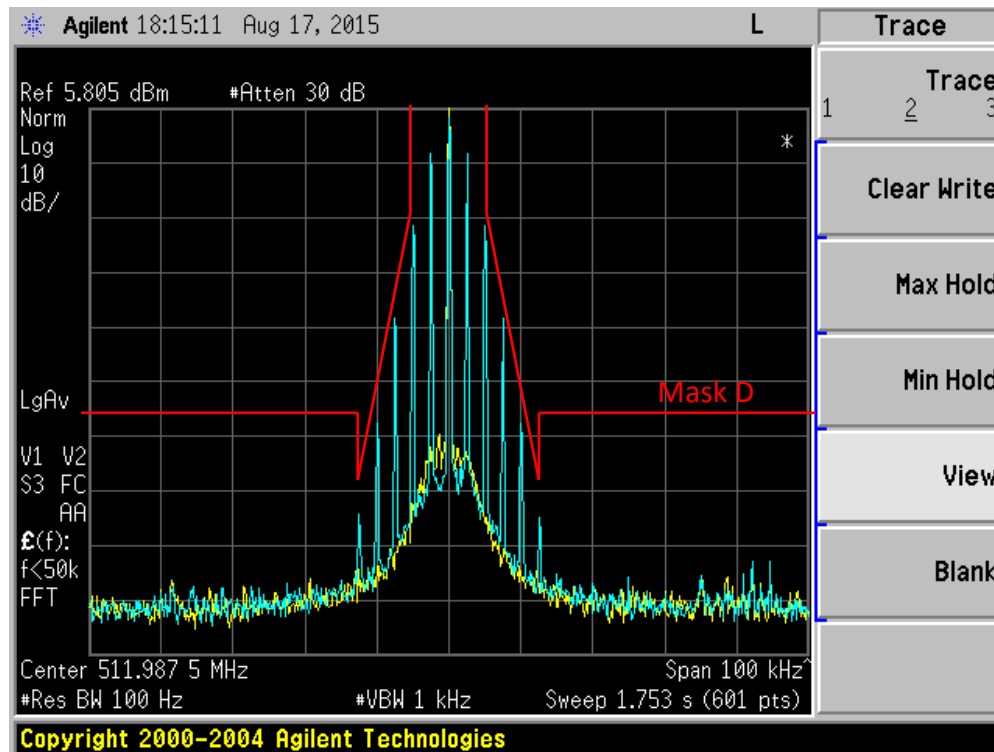


Figure 6E-5: 511.9875 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D (Not applicable for IC)

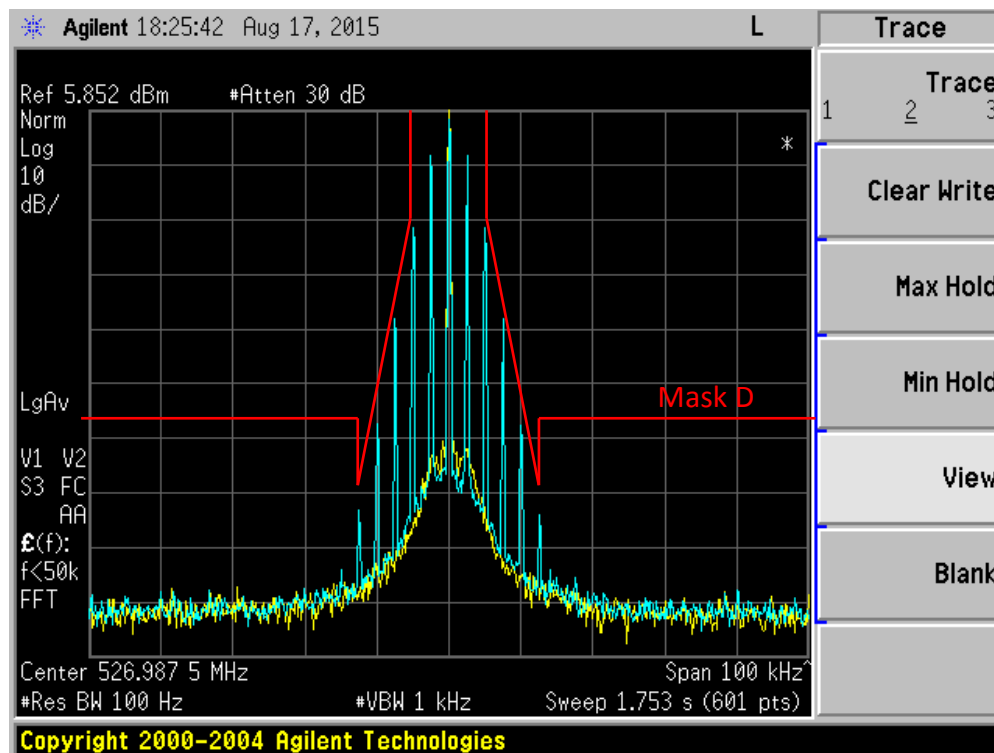


Figure 6E-6: 526.9875 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D (Not applicable for FCC/IC)

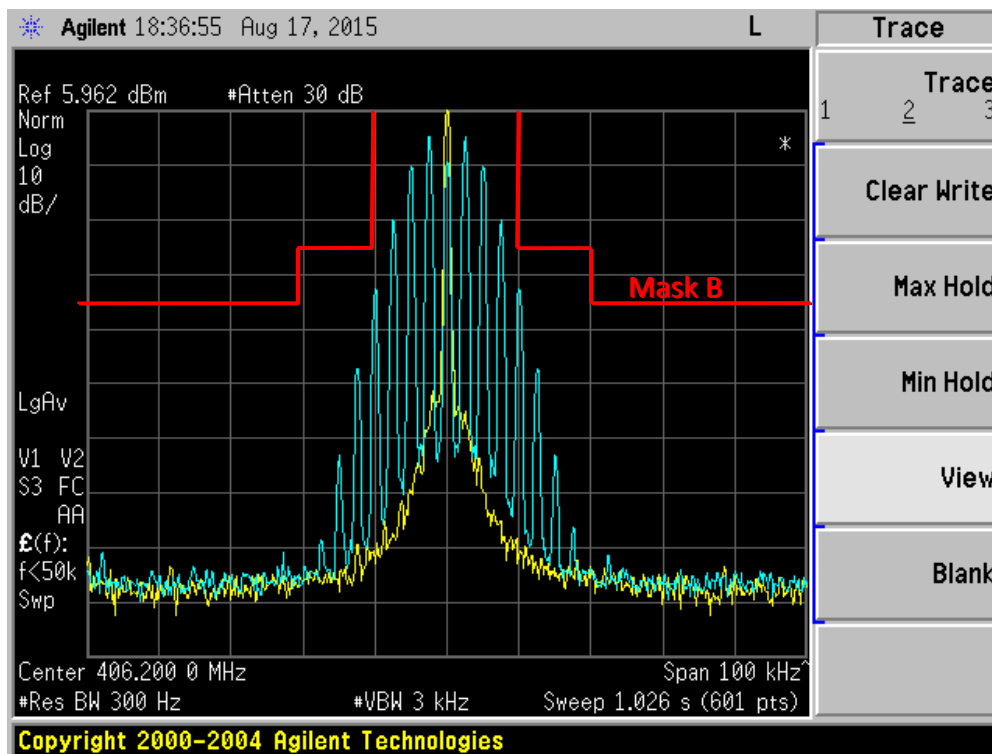


Figure 6E-7: 406.2 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not applicable for FCC)

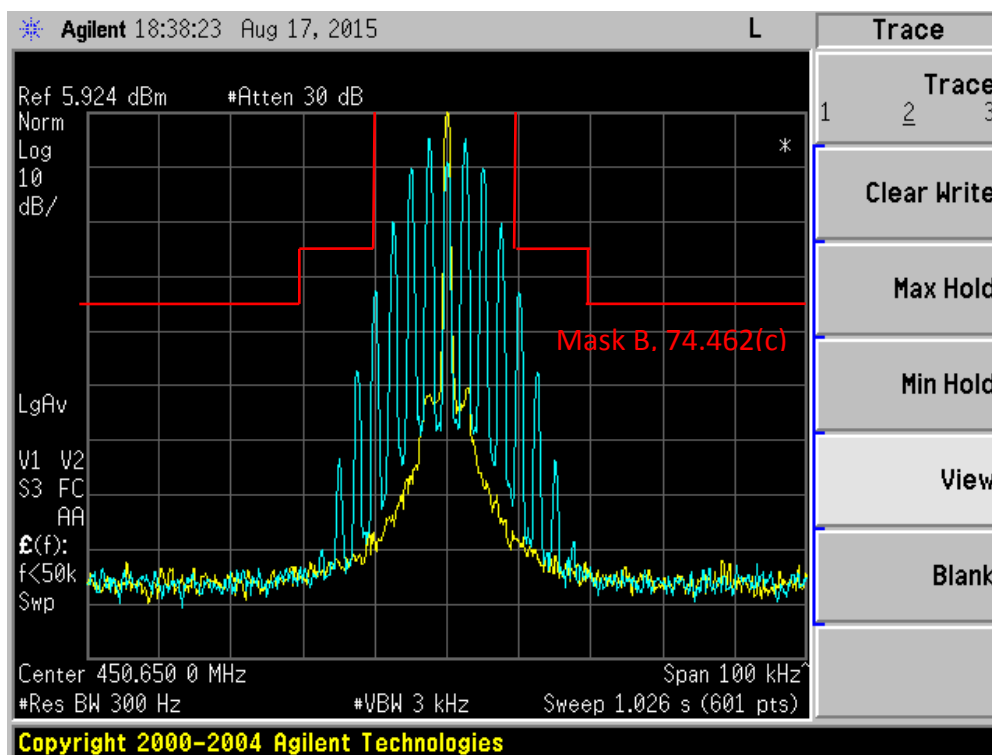


Figure 6E-8: 450.65 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, 74.462(c)

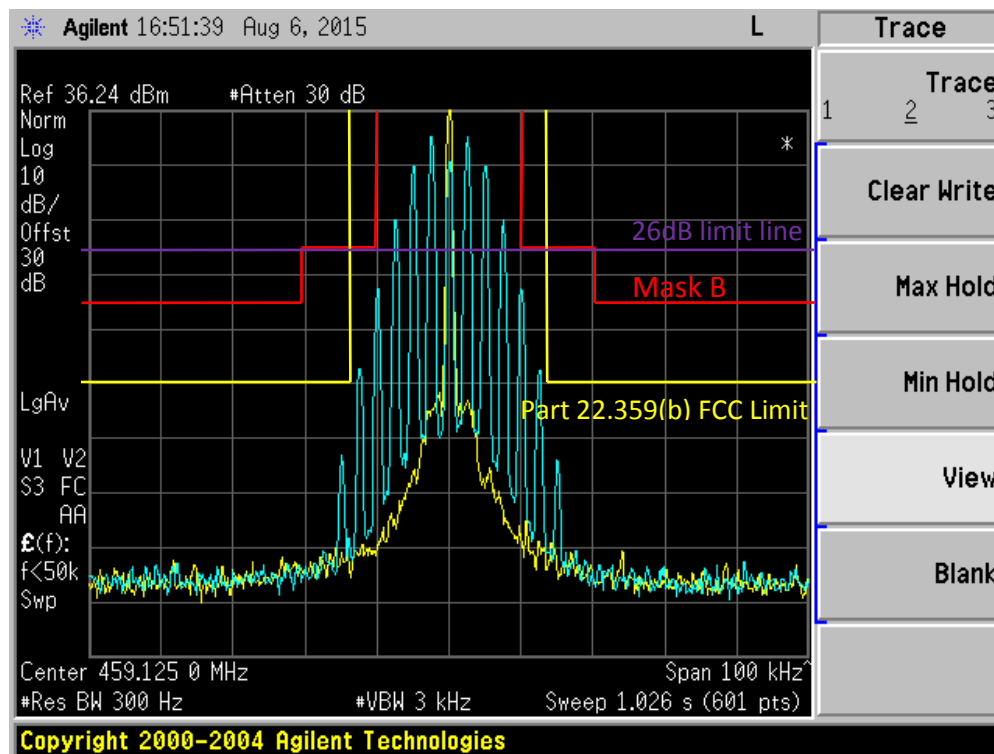


Figure 6E-9: 459.125 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, Part 22.359(b) FCC Limit

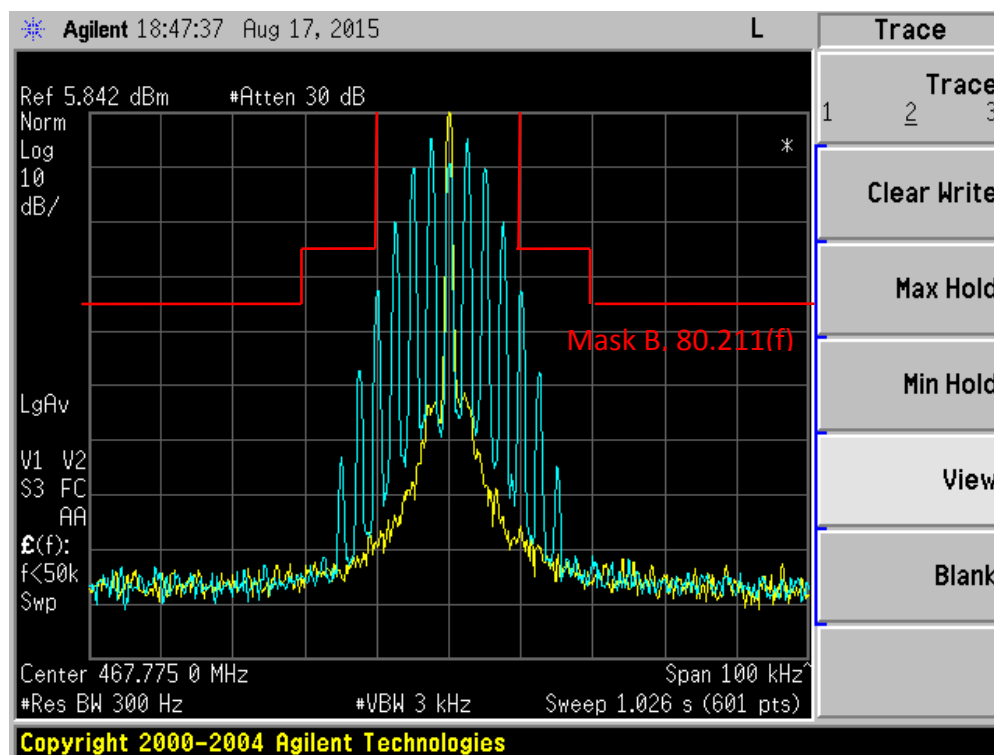


Figure 6E-10: 467.775 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, 80.211(f)

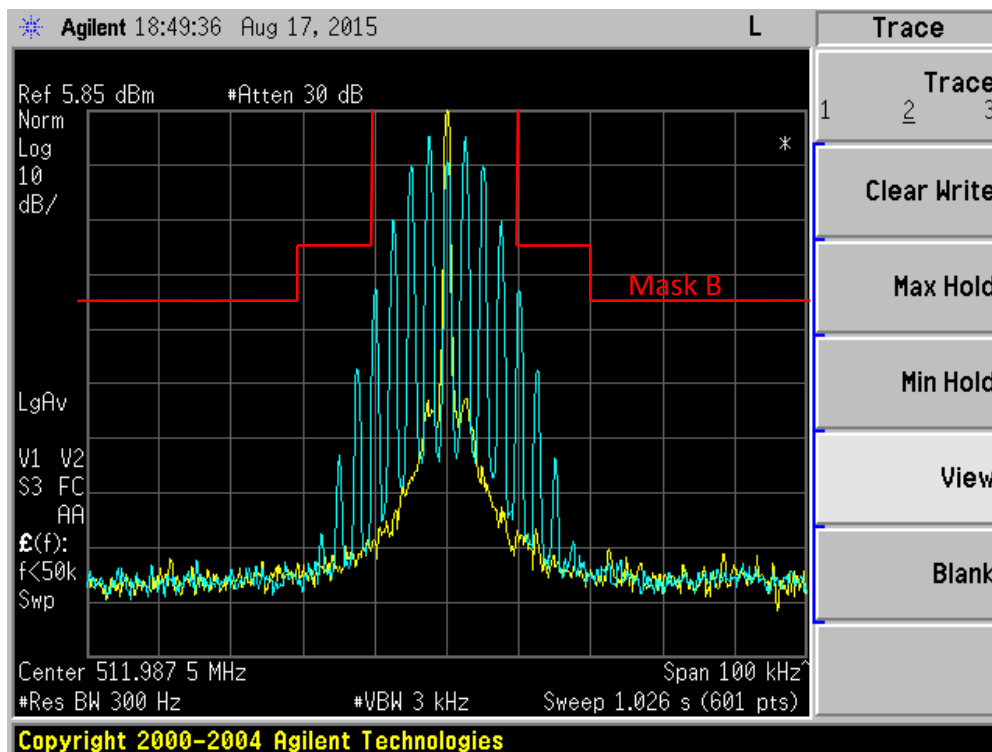


Figure 6E-11: 511.9875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not applicable for IC)

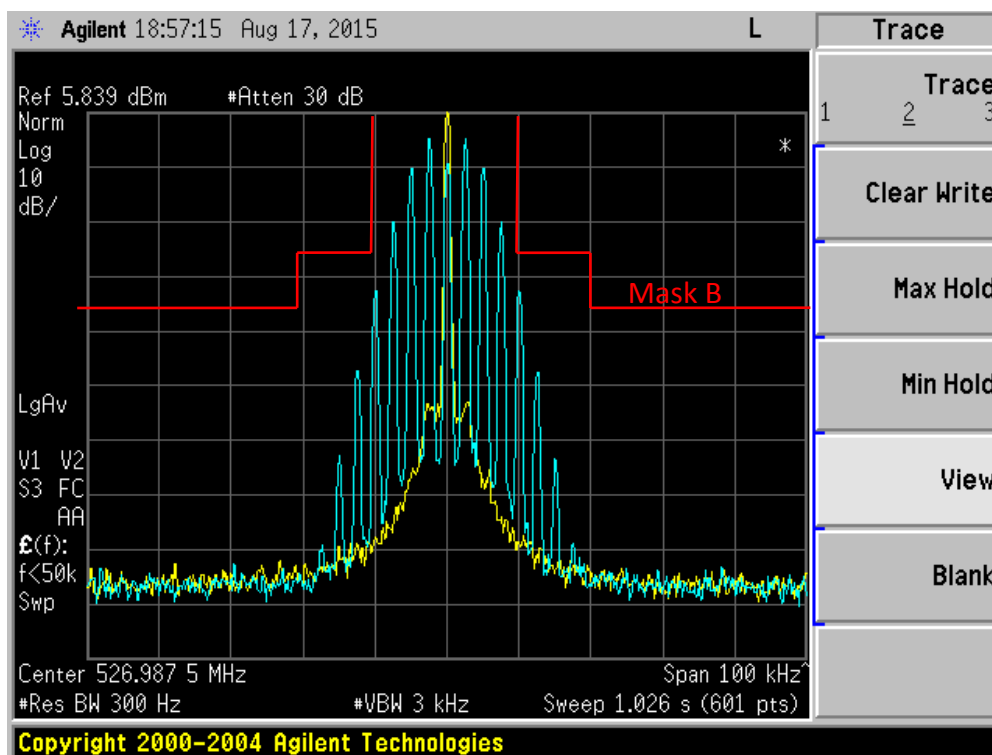


Figure 6E-12: 526.9875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not applicable for FCC/IC)

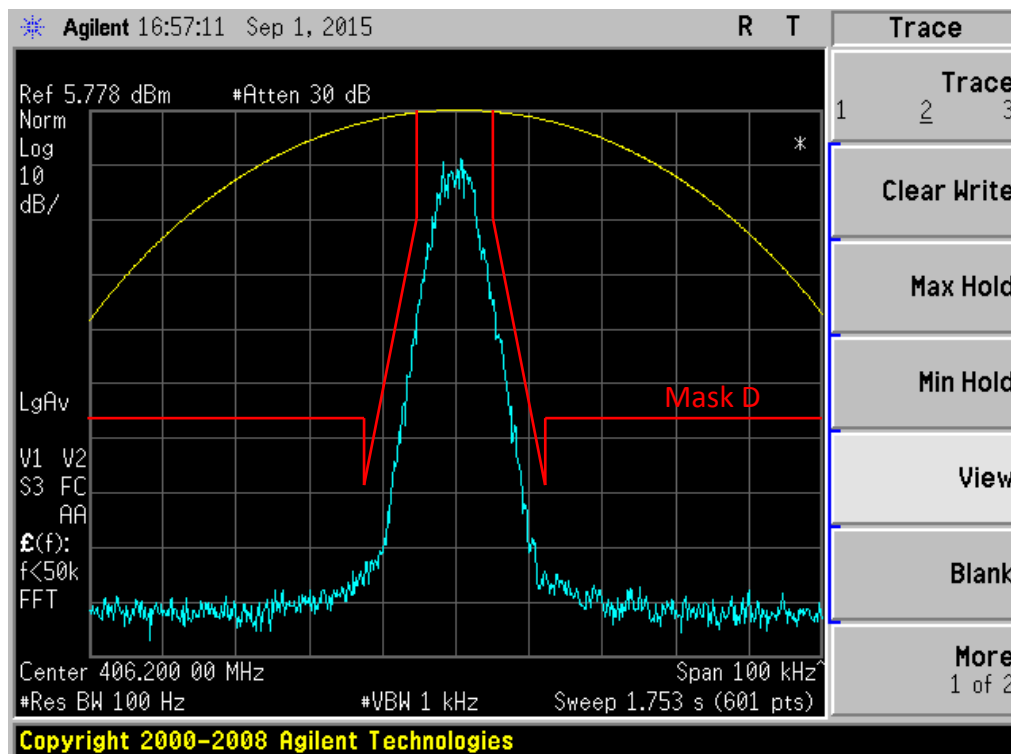


Figure 6E-13: 406.2 MHz, O.153 Test Pattern 4FSK Voice Modulation Only,
7K60F1E Mask D

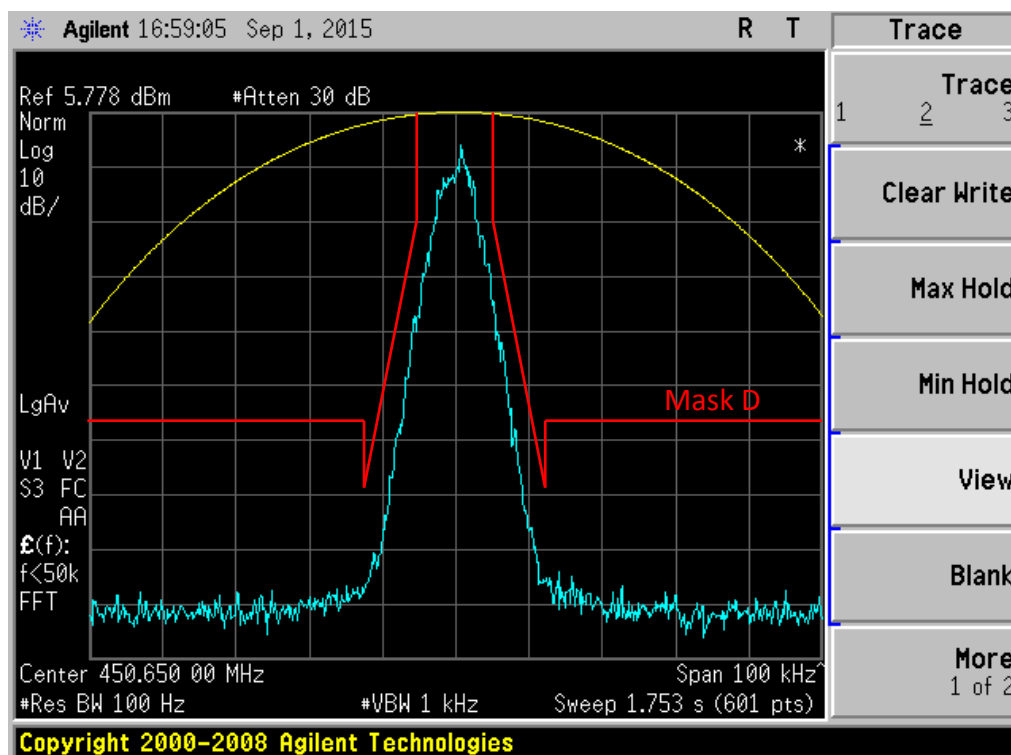


Figure 6E-14: 450.65 MHz, O.153 Test Pattern 4FSK Voice Modulation Only,
7K60F1E Mask D

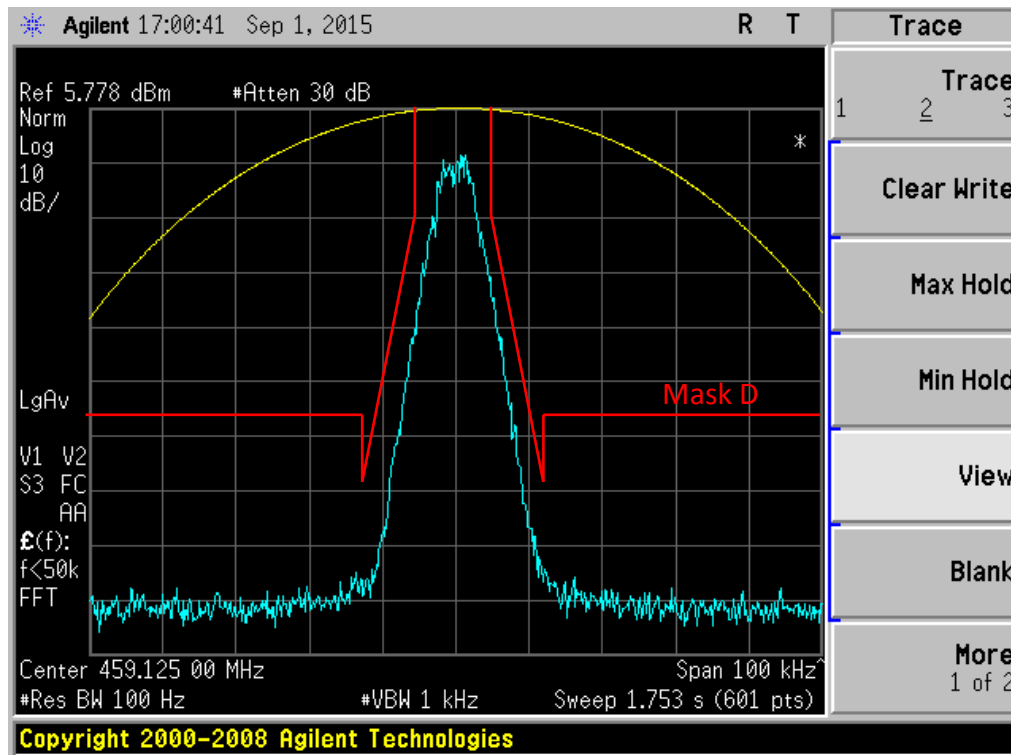


Figure 6E-15: 459.125 MHz, O.153 Test Pattern 4FSK Voice Modulation Only,
7K60F1E Mask D

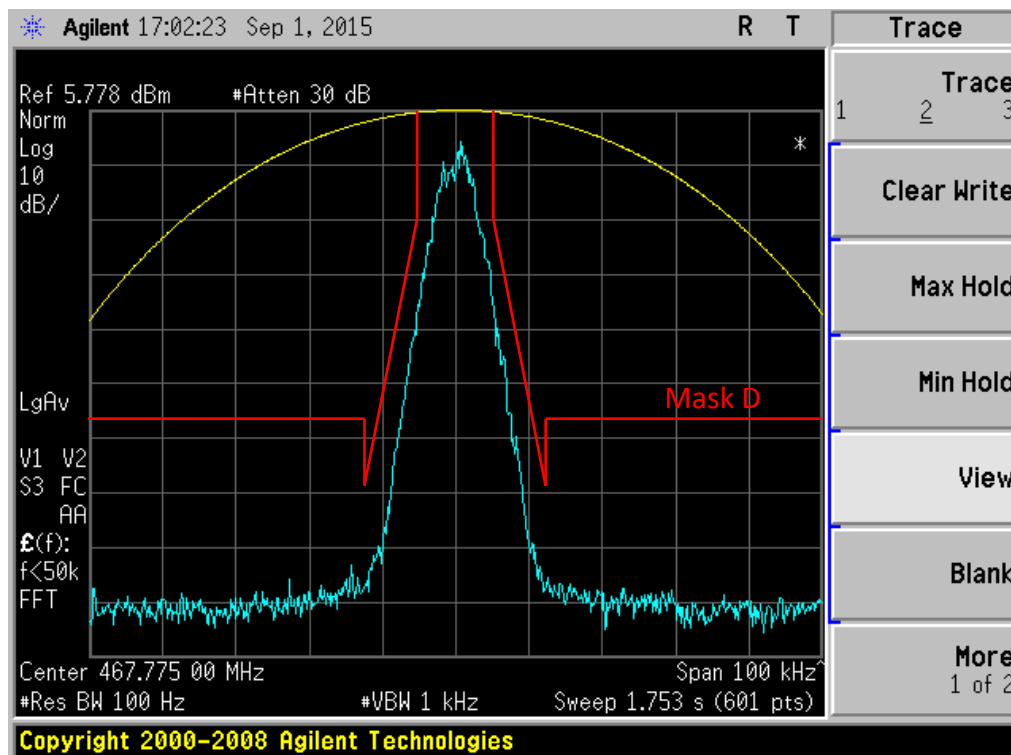


Figure 6E-16: 467.775 MHz, O.153 Test Pattern 4FSK Voice Modulation Only,
7K60F1E Mask D

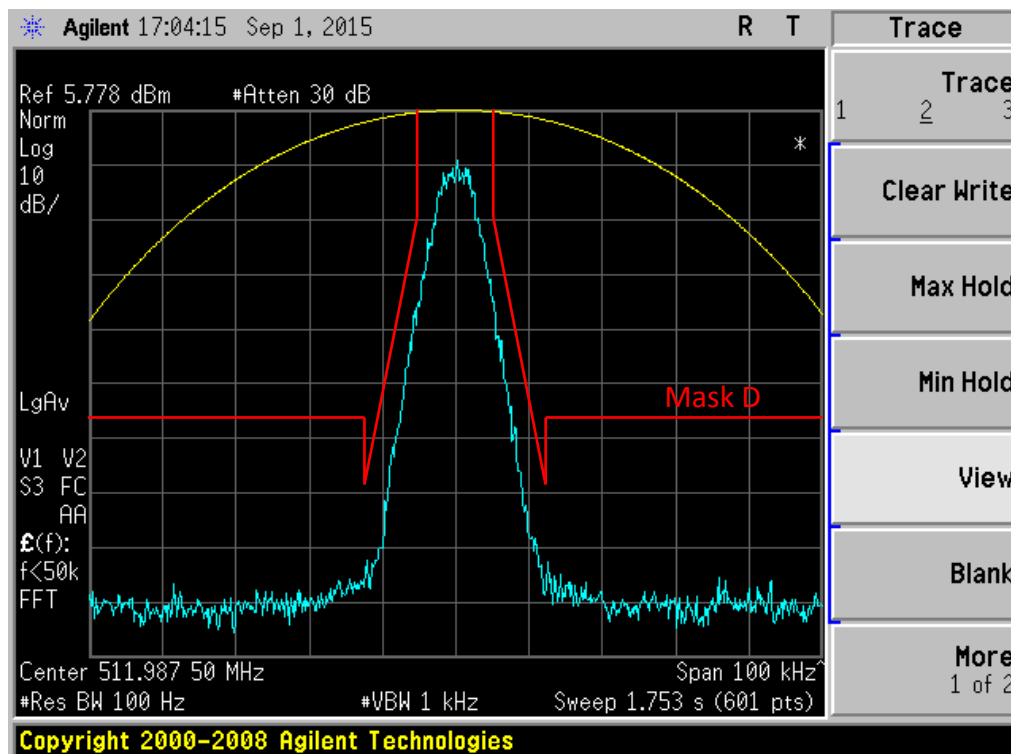


Figure 6E-17: 511.9875 MHz, O.153 Test Pattern 4FSK Voice Modulation Only,
7K60F1E Mask D (Not applicable for IC)

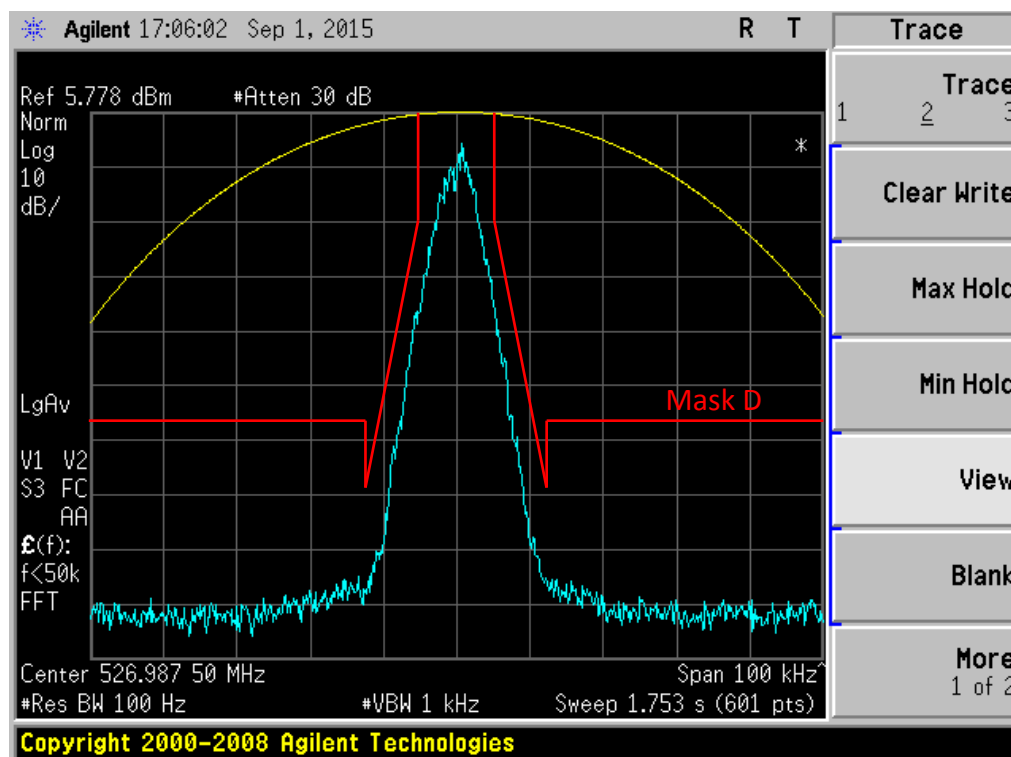


Figure 6E-18: 526.9875 MHz, O.153 Test Pattern 4FSK Voice Modulation Only,
7K60F1E Mask D (Not applicable for FCC/IC)

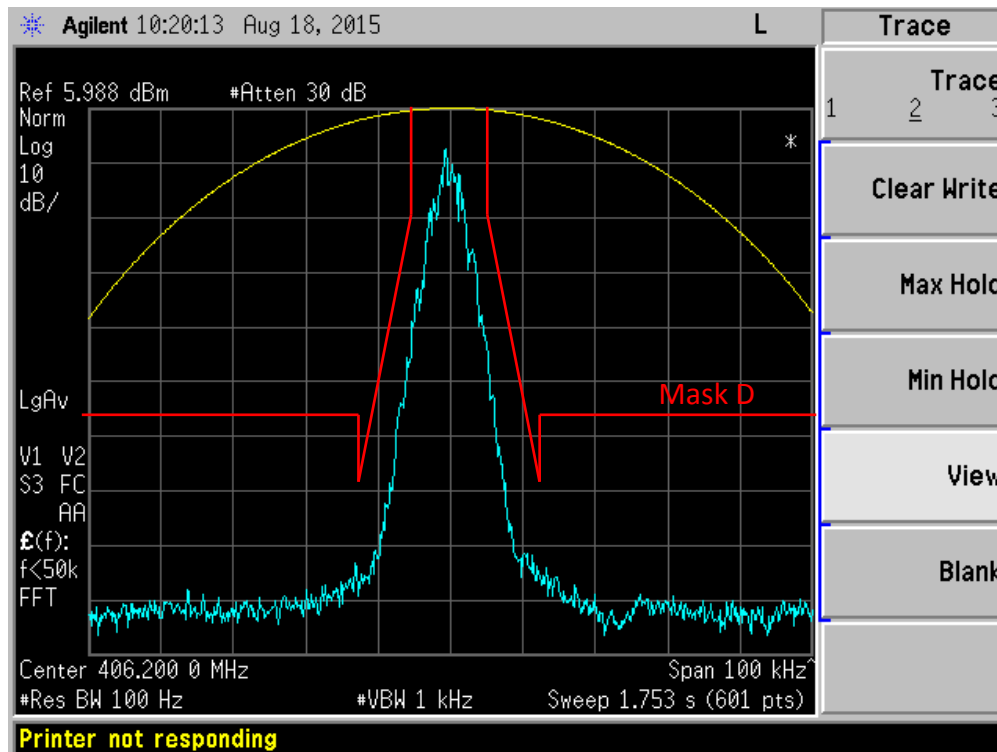


Figure 6E-19: 406.2 MHz, O.153 Test Pattern 4FSK Data Modulation Only,
7K60F1D Mask D

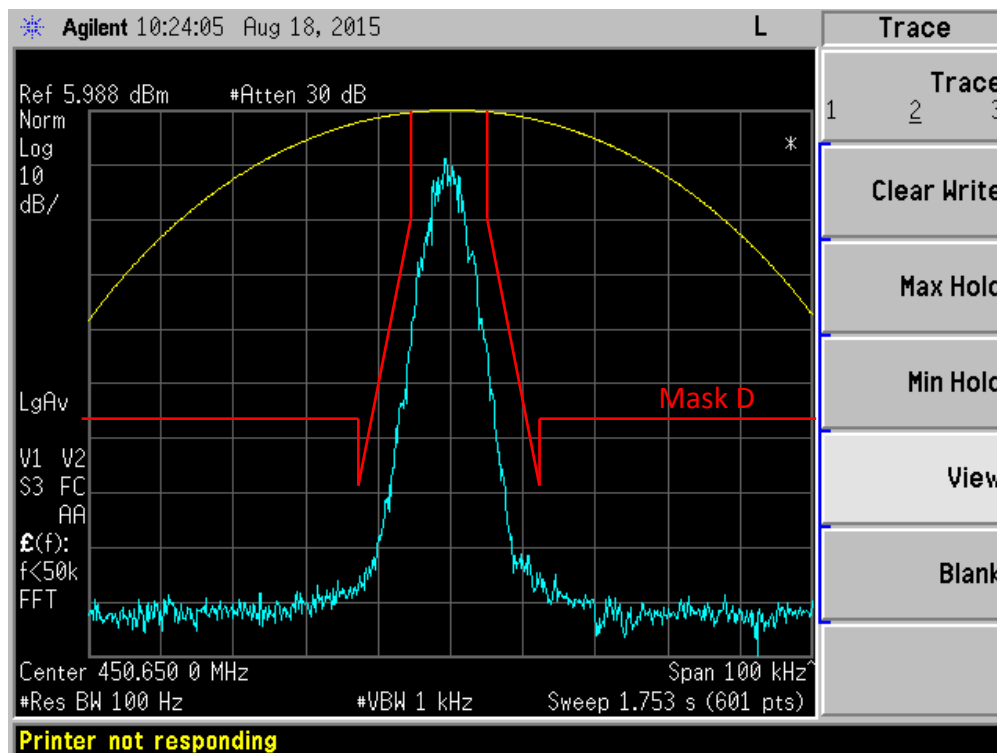
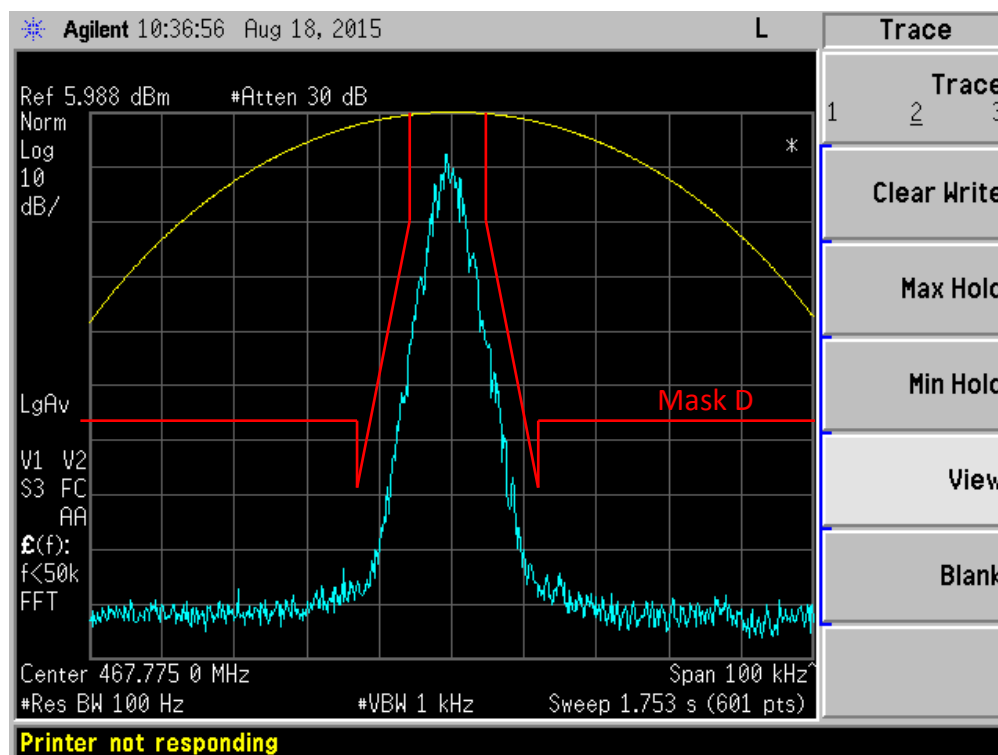
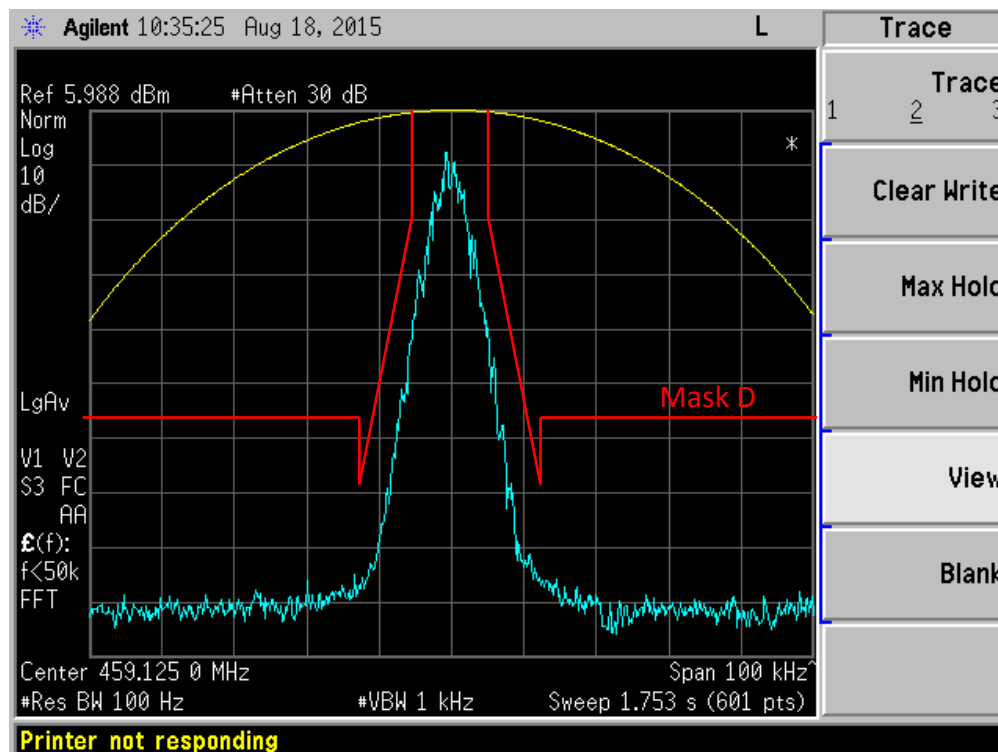


Figure 6E-20: 450.65 MHz, O.153 Test Pattern 4FSK Data Modulation Only,
7K60F1D Mask D



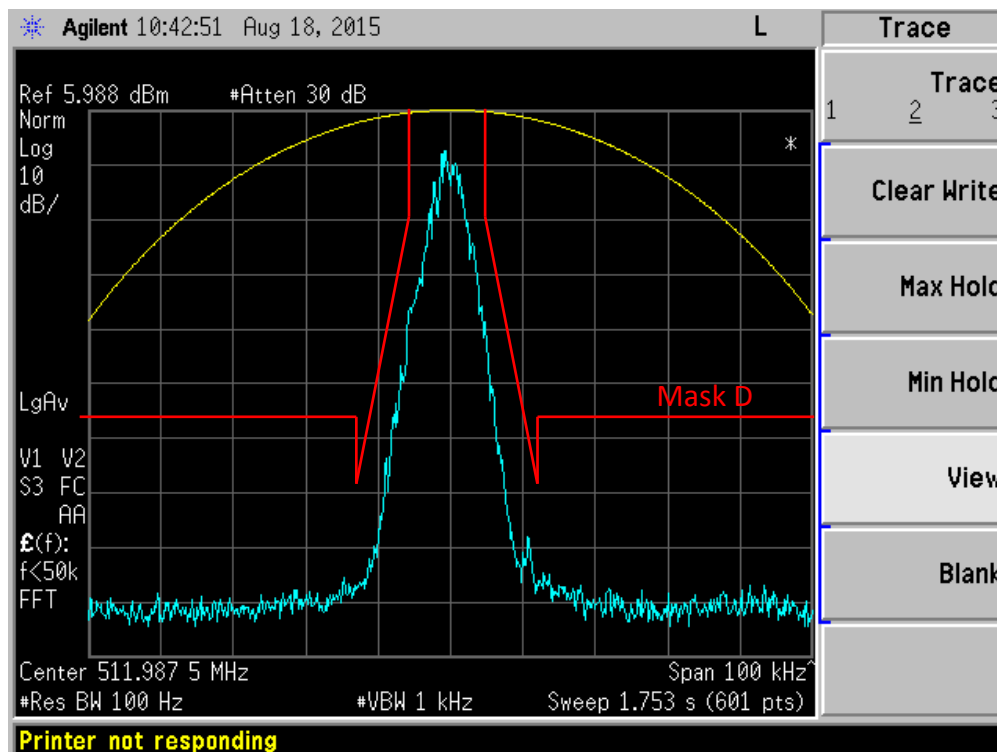


Figure 6E-23: 511.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D (Not applicable for IC)

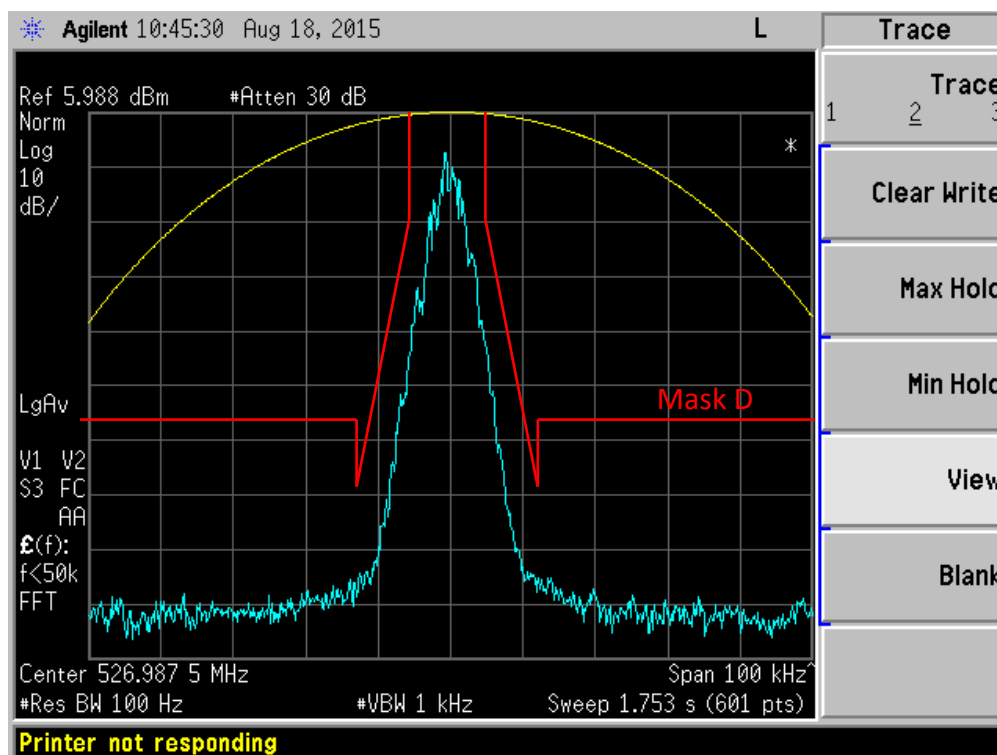


Figure 6E-24: 526.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D (Not applicable for FCC/IC)

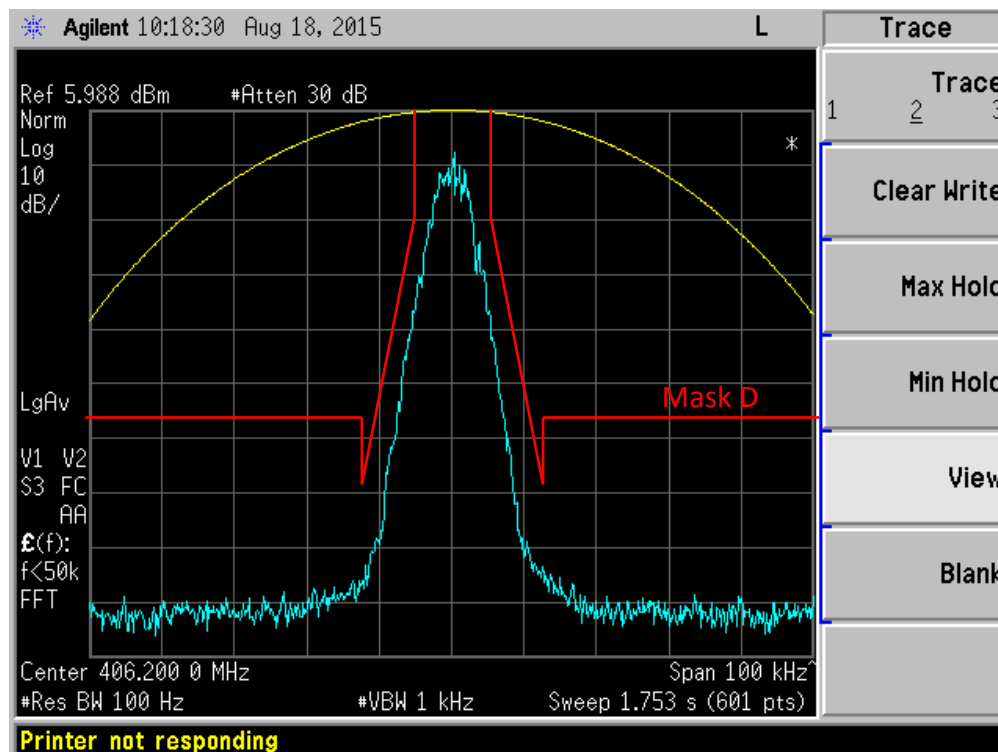


Figure 6E-25: 406.2 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask D

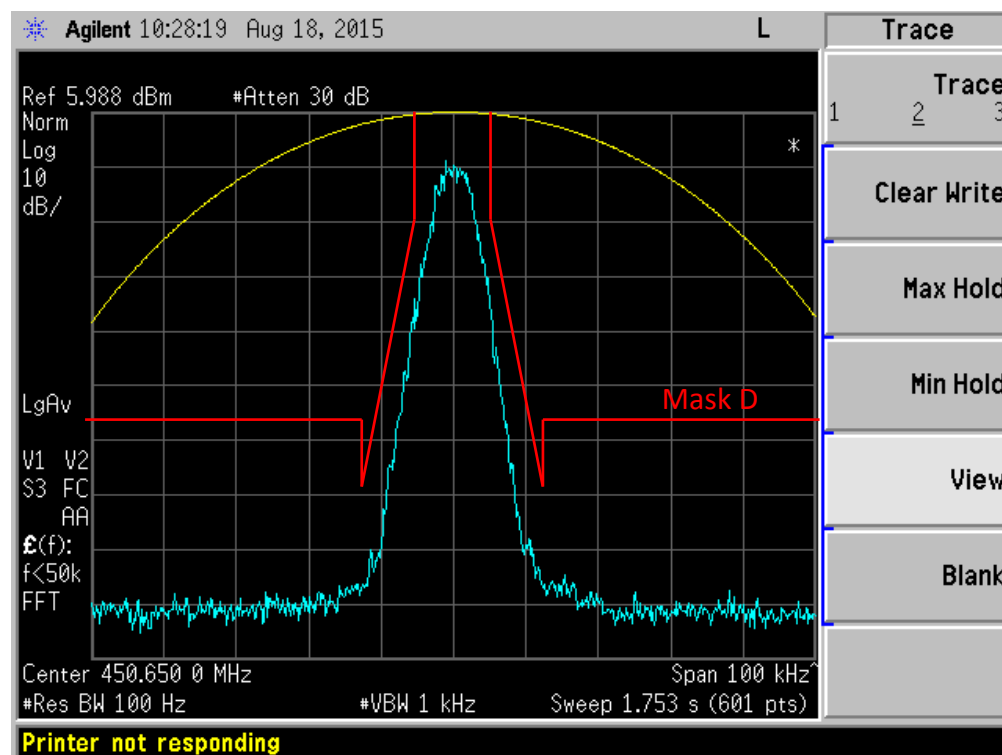


Figure 6E-26: 450.65 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask D

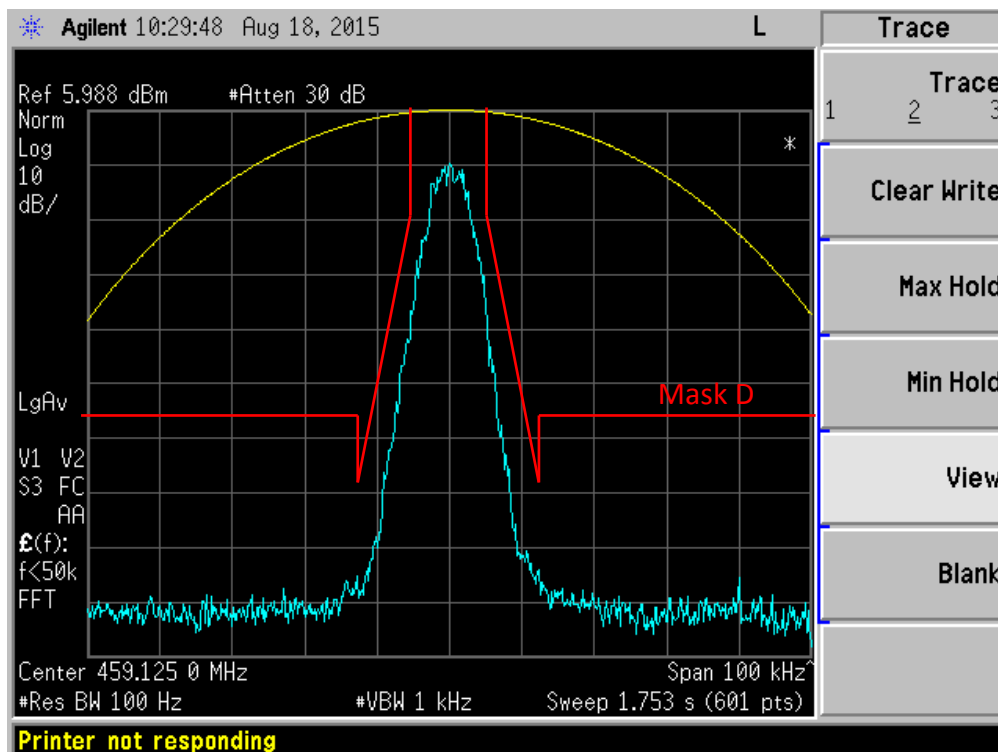


Figure 6E-27: 459.125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask D

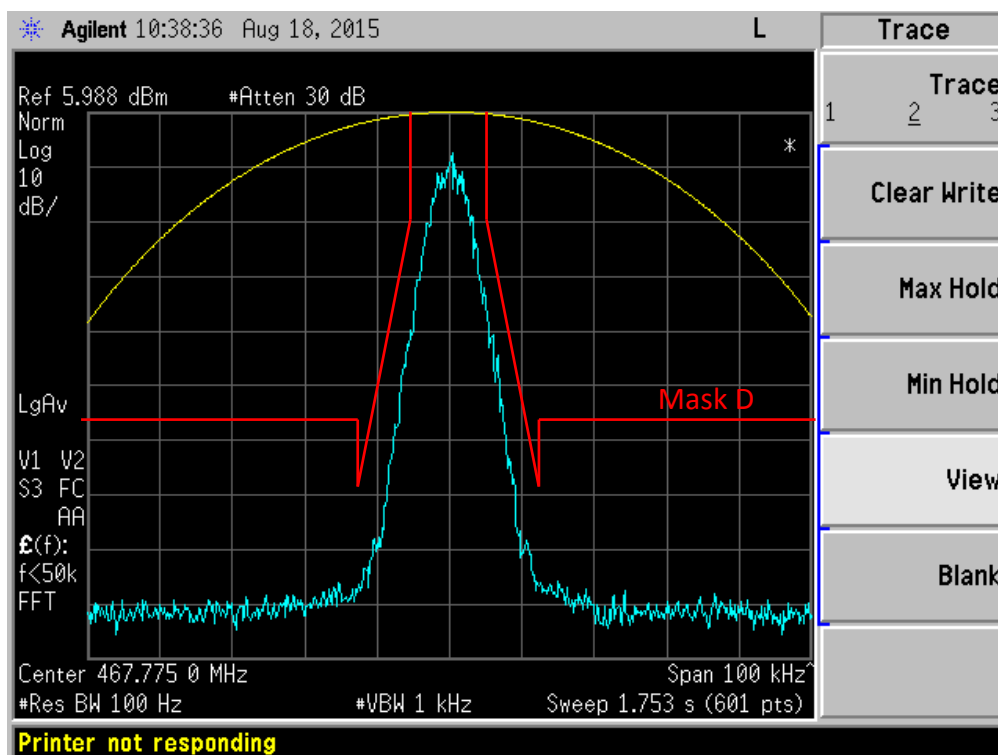
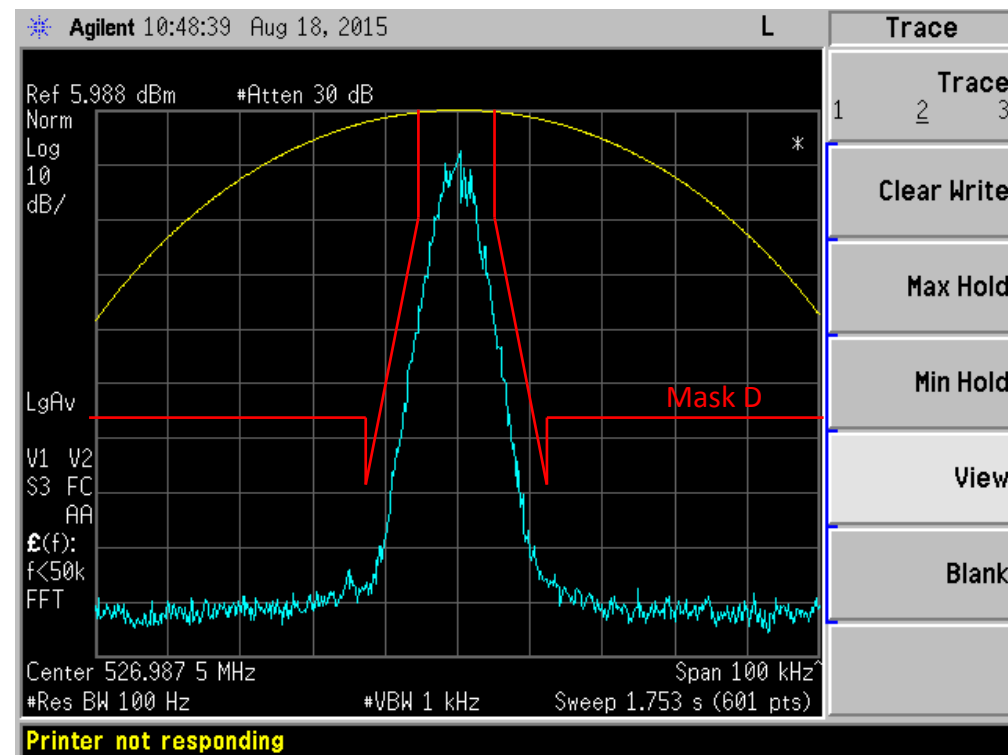
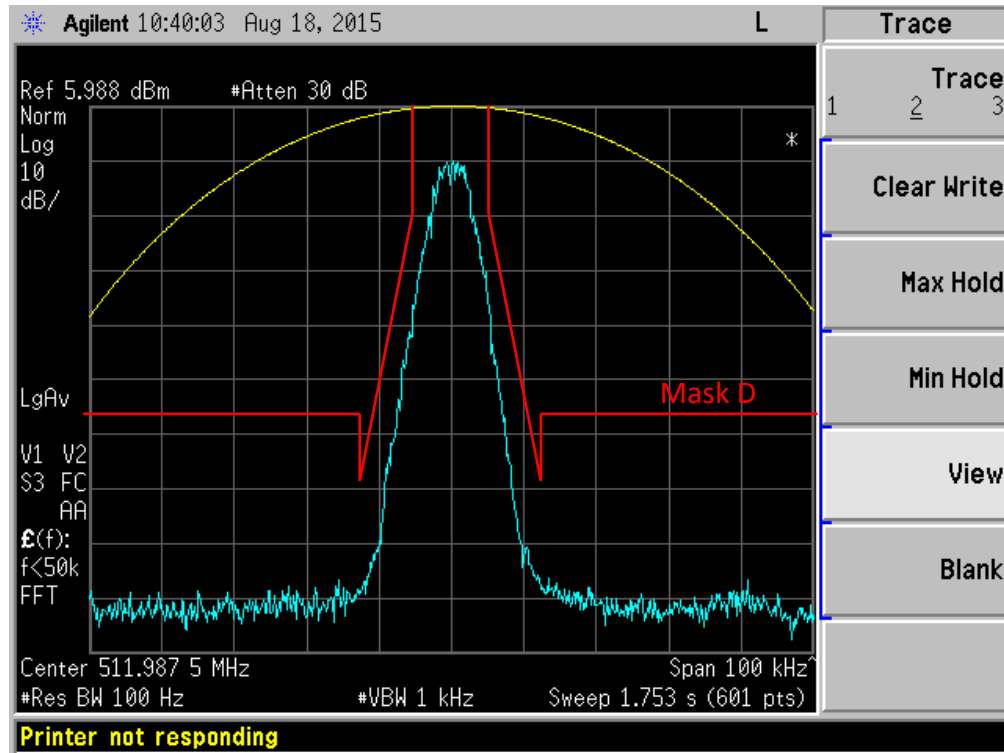


Figure 6E-28: 467.775 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation Only, 7K60F1W Mask D



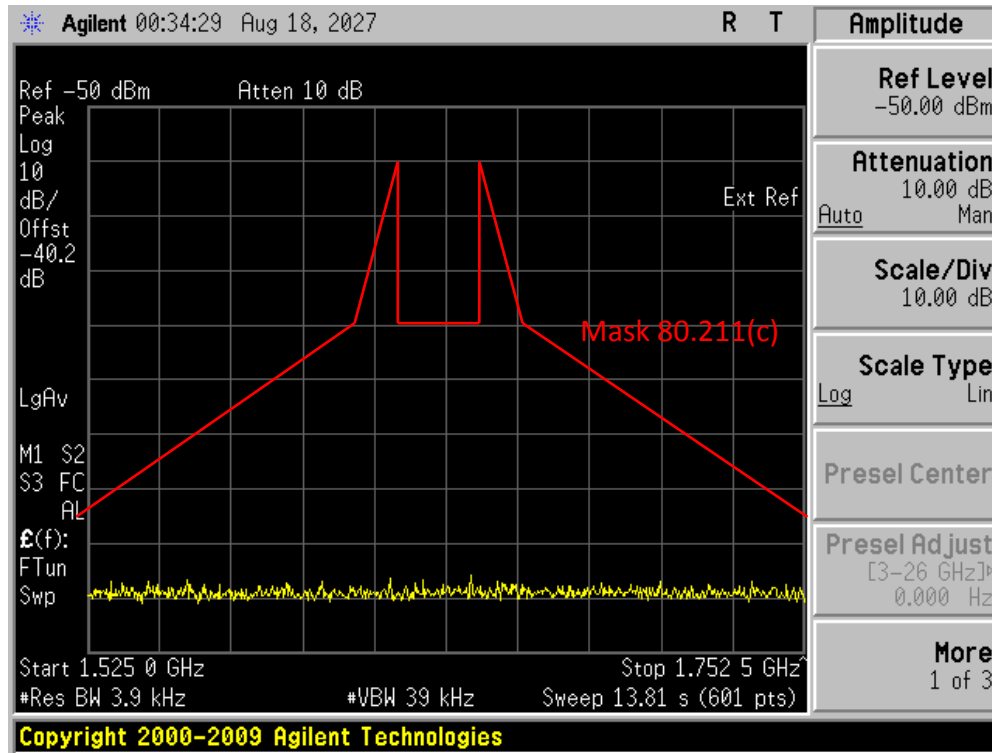


Figure 6E-31: 467.775 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B, Mask 80.211(c)

Note: Transmit power normalized to 0dB. Measurement taken with 40Hz resolution bandwidth and data shown has been corrected by 20dB to correlate with ~4kHz resolution bandwidth.

99% Bandwidth Power

Spectrum Analyzer setting as below:

RBW = 150 Hz, VBW = 15 kHz, Span = 40 kHz

Description	Bandwidth Power (99%)
Carrier, 4FSK data, O.153 test pattern, 7K60F1D, 7K60F1E, 7K60F1W, 7K60FXD, 7K60FXE	7.403kHz
Carrier, 2500 Hz Audio only 12.5kHz channel, 11K0F3E	9.834kHz
Carrier, 2500 Hz Audio only 25kHz channel, 16K0F3E	14.8849kHz

**NOTE:-

- For 4FSK Digital Modulation, 12.5kHz Data 7K60F1D & 7K60FXD would be the same. Therefore only measurements with 7K60F1D shown above.
- For 4FSK Digital Modulation, 12.5kHz Data 7K60F1E & 7K60FXE would be the same. Therefore only measurements with 7K60F1E shown above
- All measurements of Occupied Bandwidth which are shown on the above plots are measured using a Spectrum Analyzer
- Measurement using a Spectrum Analyzer must use 30dB attenuation in order to avoid damage to it
- Therefore the reference power level (Ref) shown on each plot refers to its true power level
- All OBW plots were tested at max power

EXHIBIT 6F**Transmitter Conducted Spurious Emissions**

Note: Display lines on graphs correspond to the FCC limit of – 13dBm (25 kHz) & -20dBm (12.5 kHz).

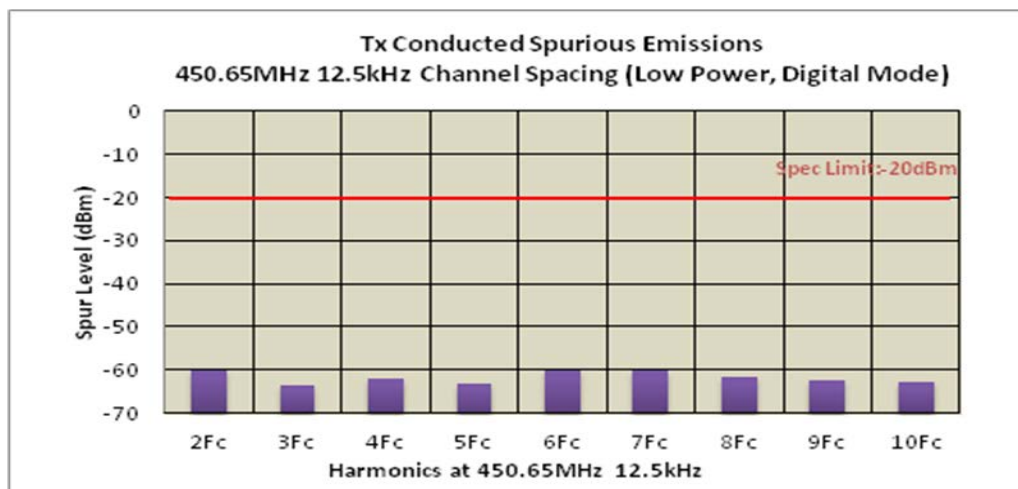


Figure 6F-1: 1W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode

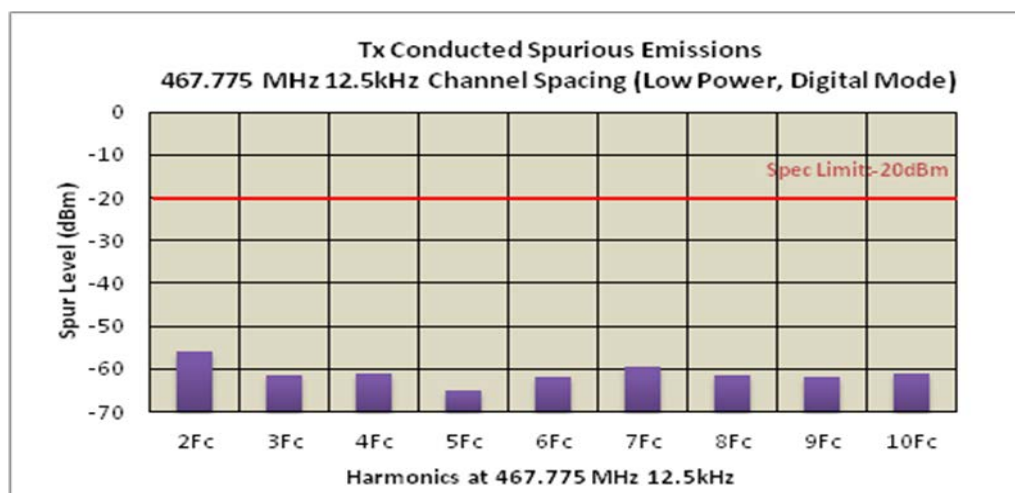


Figure 6F-2: 1W Harmonic of Carrier 467.775 MHz, 12.5 kHz Channel Spacing, Digital Mode

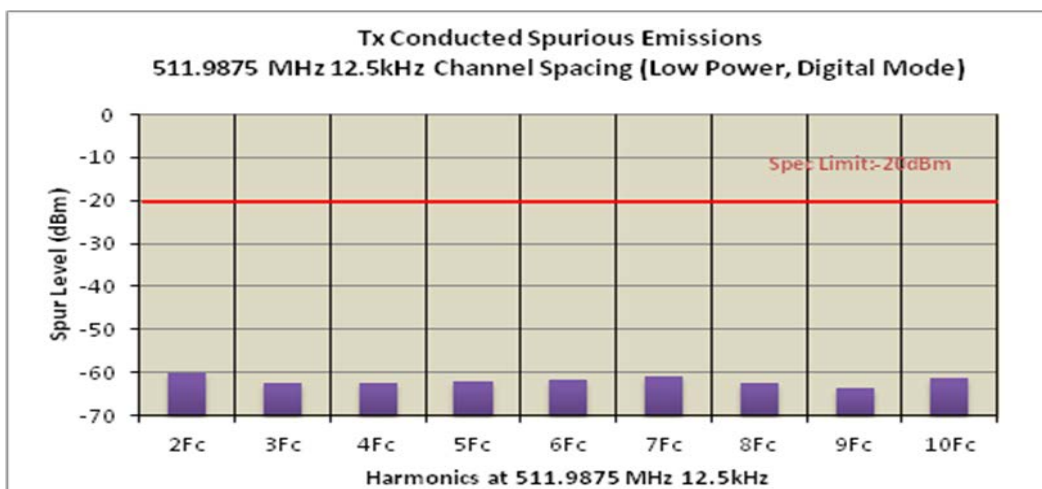


Figure 6F-3: 1W Harmonic of Carrier 511.9875 MHz, 12.5 kHz Channel Spacing, Digital Mode
(Not applicable for IC)

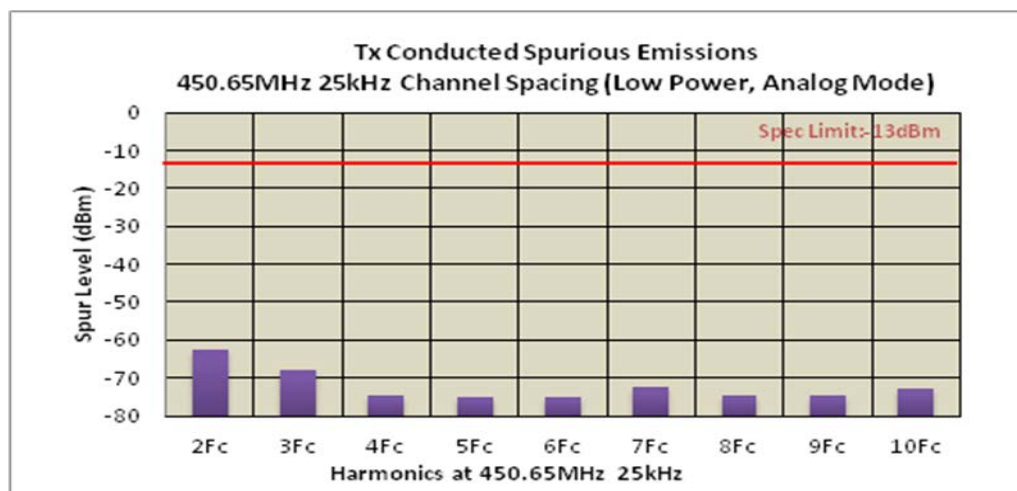


Figure 6F-4: 1W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing, Analog Mode

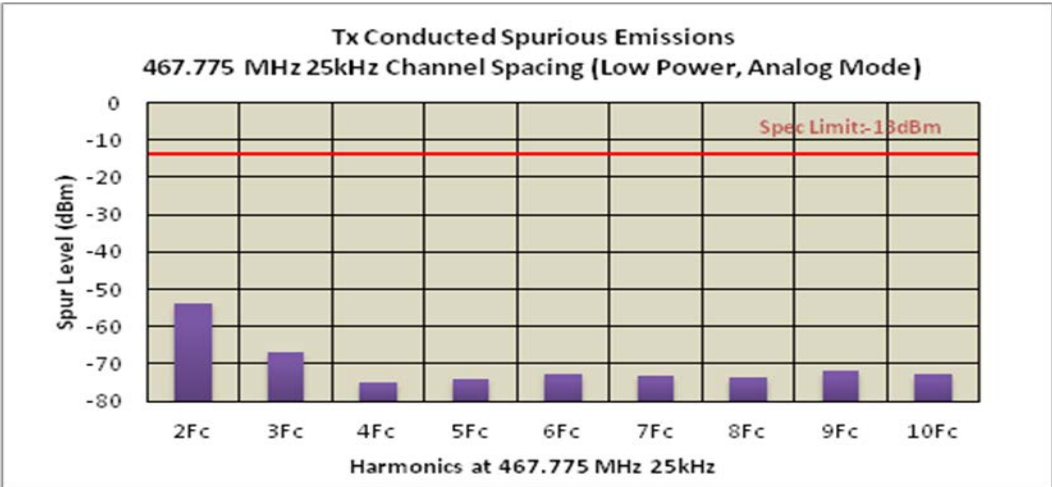


Figure 6F-5: 1W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode

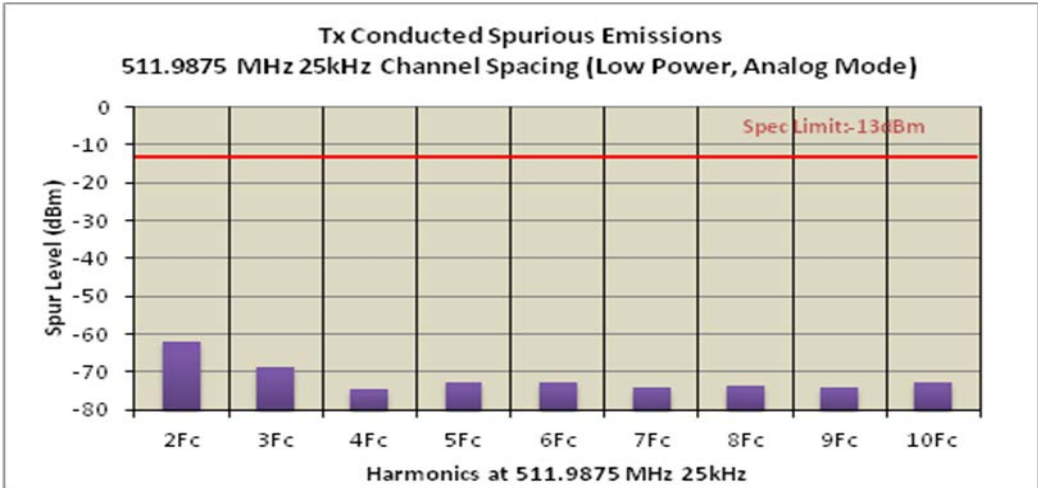


Figure 6F-6: 1W Harmonic of Carrier 511.9875 MHz, 25 kHz Channel Spacing, Analog Mode (Not applicable for IC)

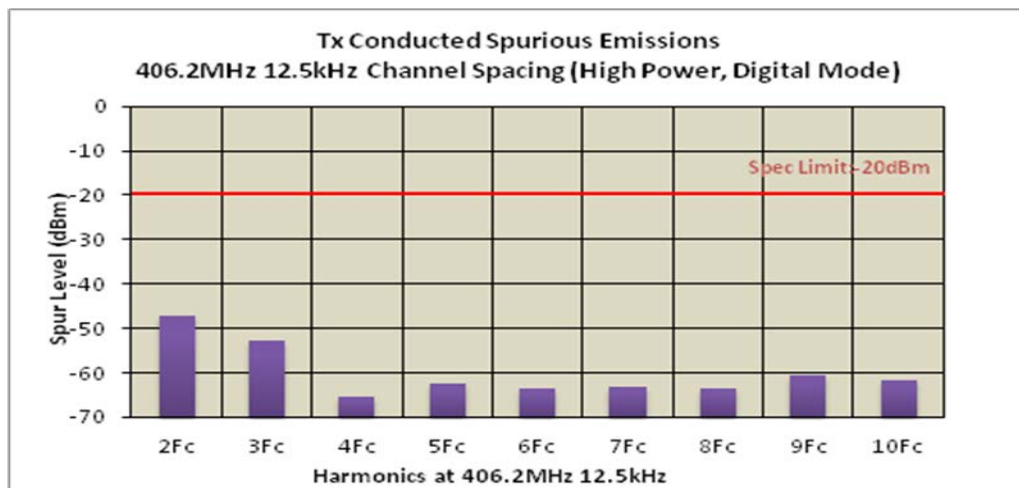


Figure 6F-7: 4.8W Harmonic of Carrier 406.2 MHz, 12.5 kHz Channel Spacing, Digital Mode

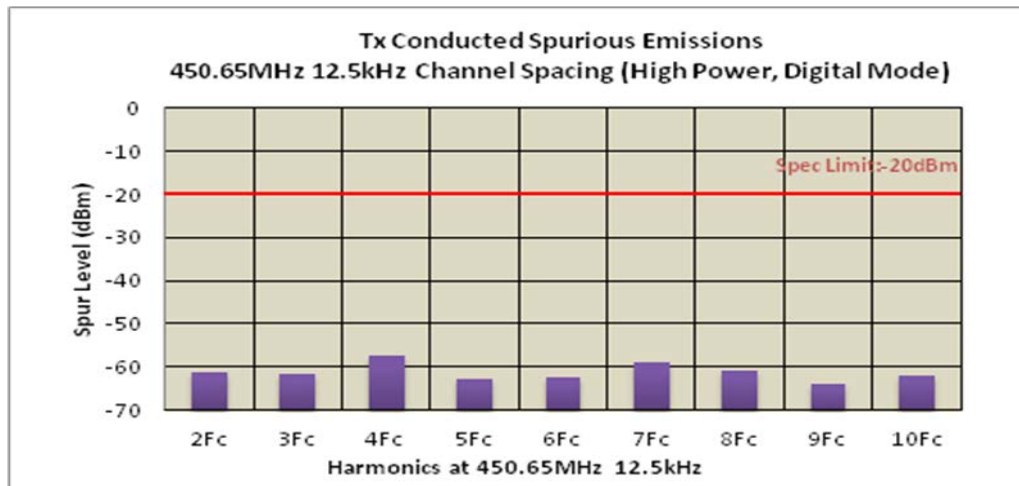


Figure 6F-8: 4.8W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode

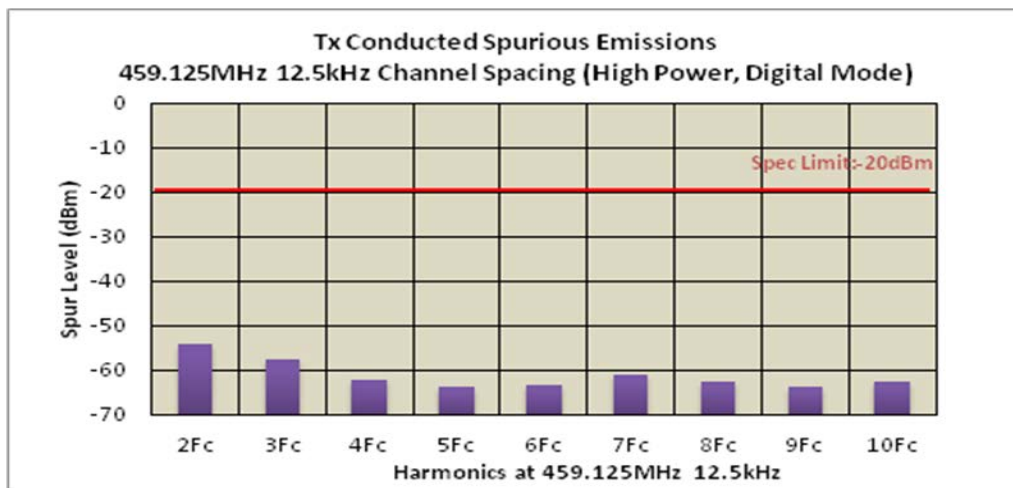


Figure 6F-9: 4.8W Harmonic of Carrier 459.125 MHz, 12.5 kHz Channel Spacing, Digital Mode

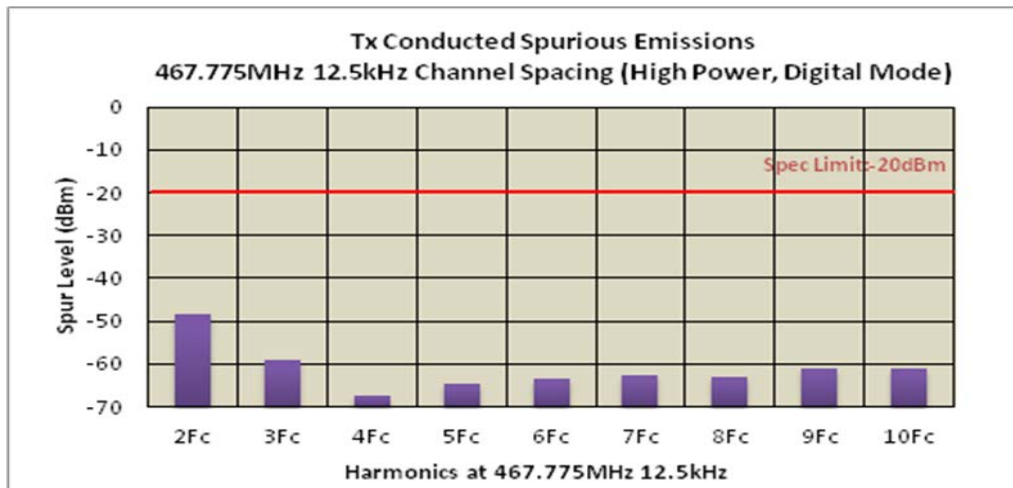


Figure 6F-10: 4.8W Harmonic of Carrier 467.775 MHz, 12.5 kHz Channel Spacing, Digital Mode

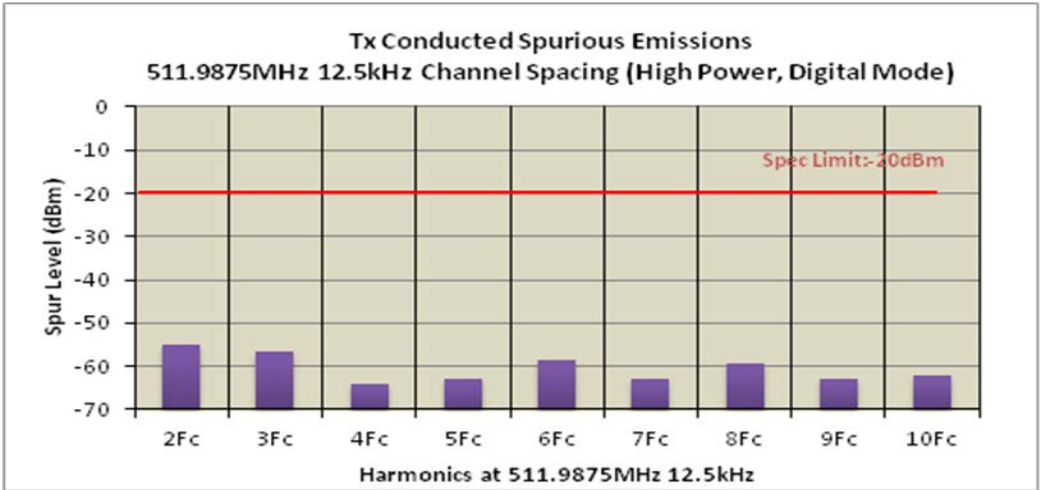


Figure 6F-11: 4.8W Harmonic of Carrier 511.9875 MHz, 12.5 kHz Channel Spacing, Digital Mode (Not applicable for IC)

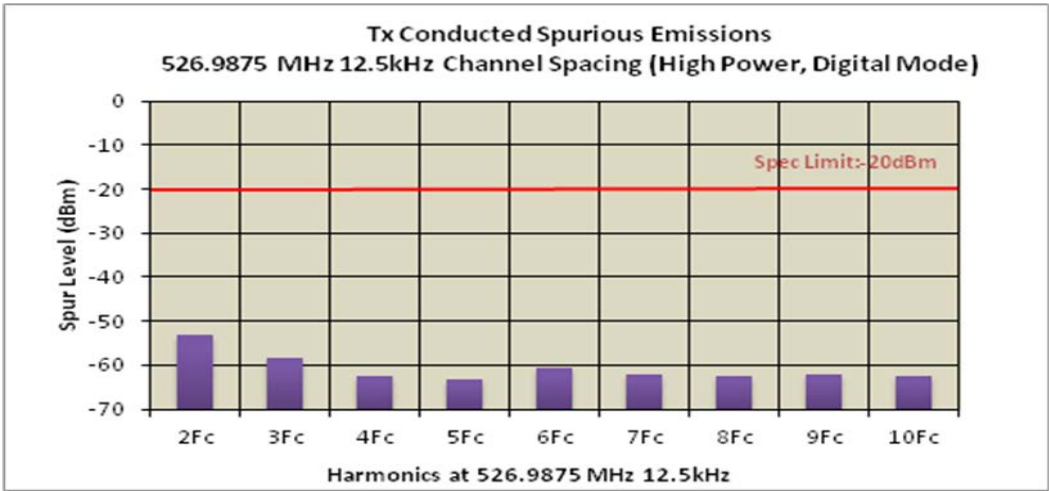


Figure 6F-12: 4.8W Harmonic of Carrier 526.9875 MHz, 12.5 kHz Channel Spacing, Digital Mode (Not applicable for FCC/IC)

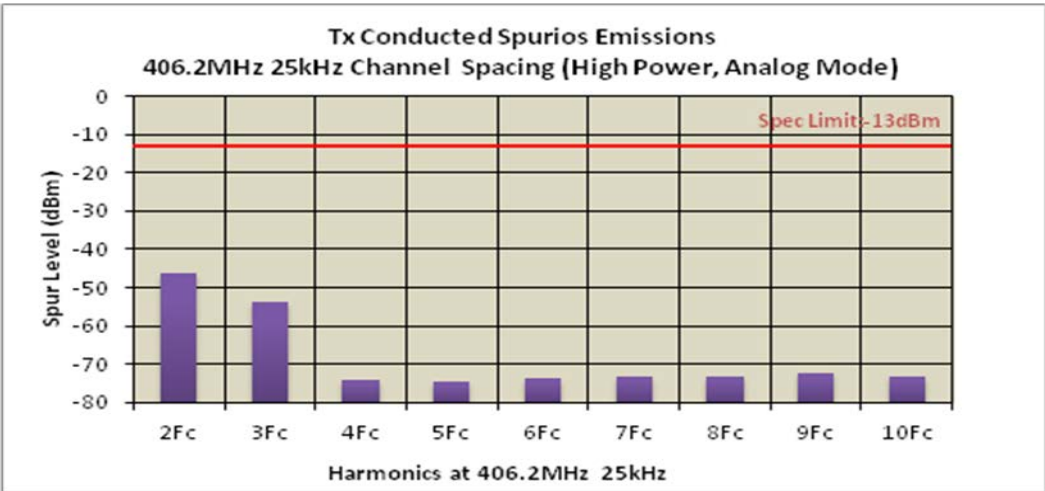


Figure 6F-13: 4.8W Harmonic of Carrier 406.2 MHz, 25 kHz Channel Spacing, Analog Mode (Not applicable for FCC)

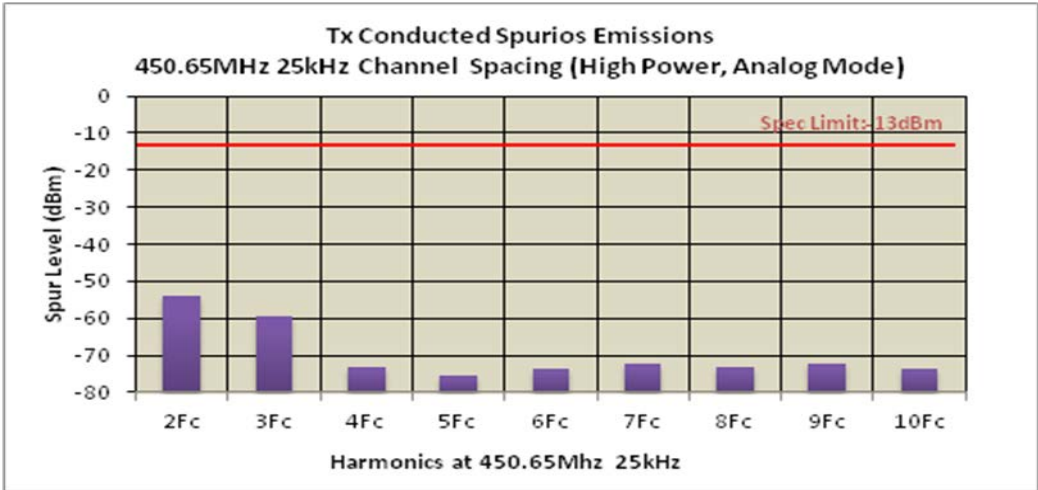


Figure 6F-14: 4.8W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing, Analog Mode

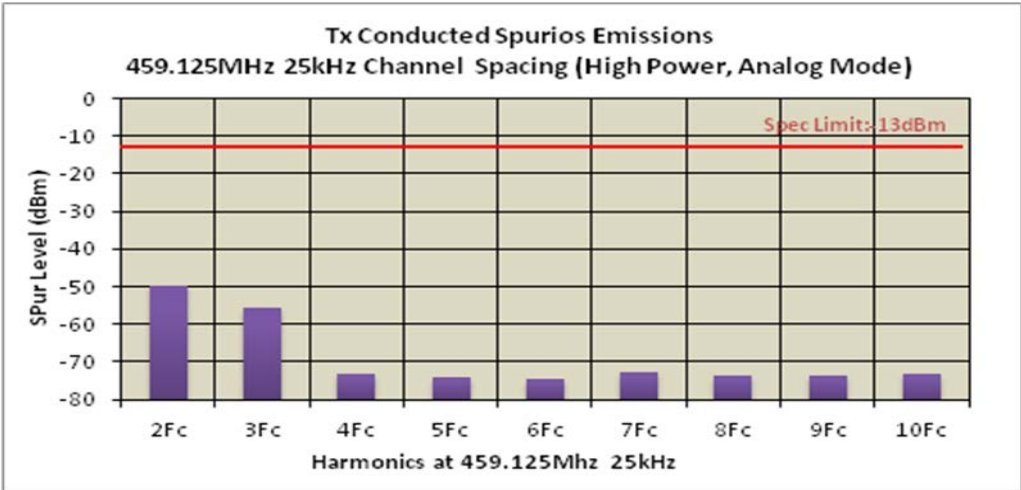


Figure 6F-15: 4.8W Harmonic of Carrier 459.125 MHz, 25 kHz Channel Spacing, Analog Mode

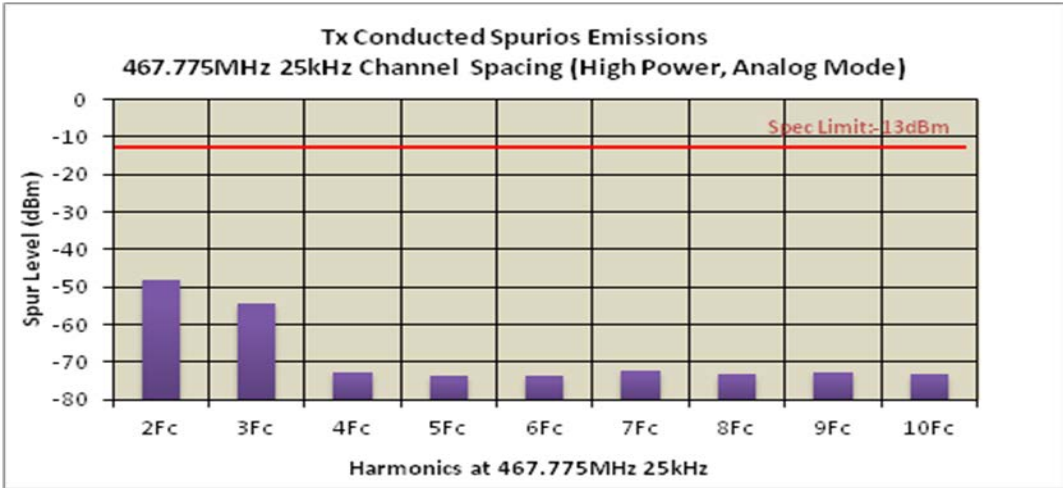


Figure 6F-16: 4.8W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode

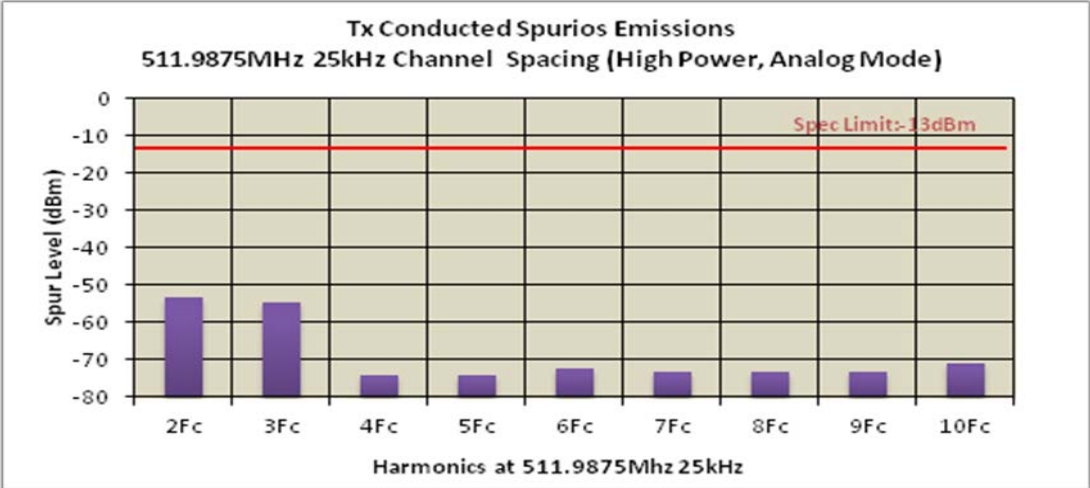


Figure 6F-17: 4.8W Harmonic of Carrier 511.9875 MHz, 25 kHz Channel Spacing, Analog Mode (Not applicable for IC)

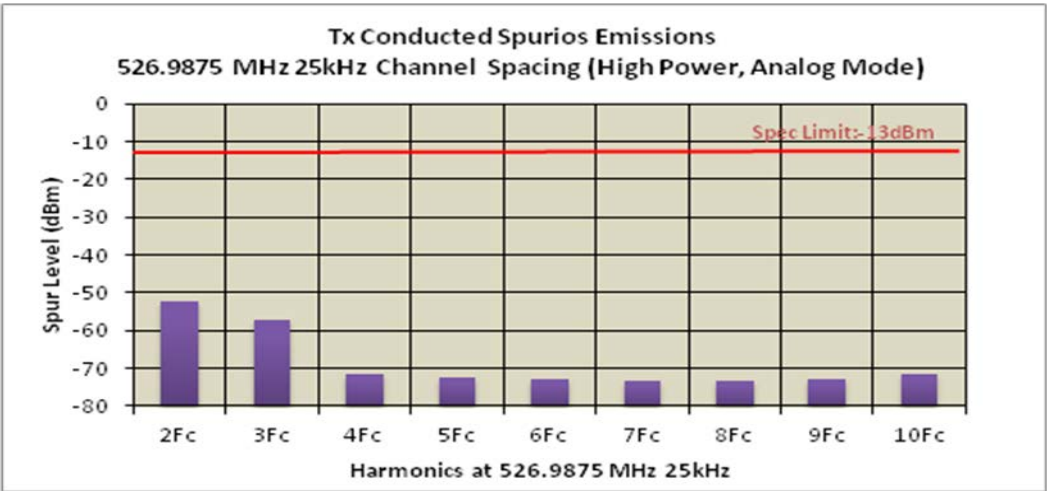


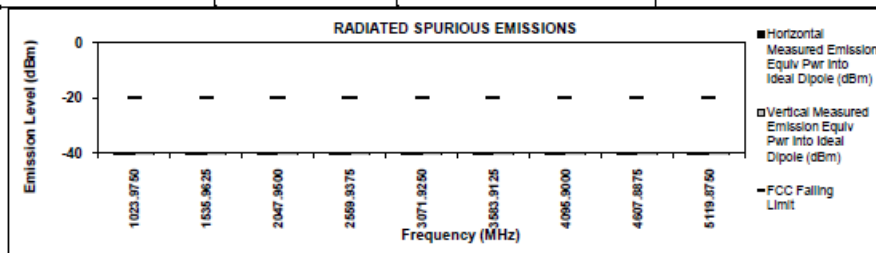
Figure 6F-18: 4.8W Harmonic of Carrier 526.9875 MHz, 25 kHz Channel Spacing, Analog Mode (Not applicable for FCC/IC)

Transmitter Radiated Spurious Emissions

FCC ID: AZ489FT7068
IC ID: 109U-89ET7068

Battery: PMNN4418BR

S/N: 867TRM0684

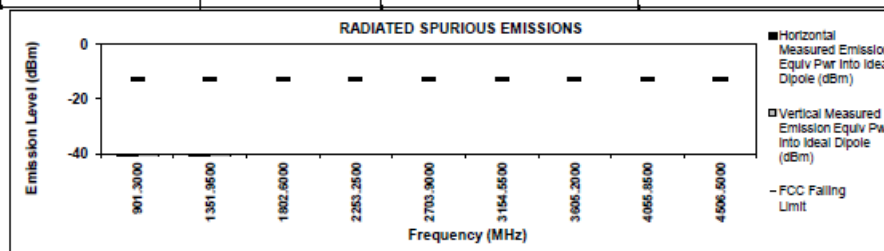
[illegible]

Remarks:

Passed Results	Marginal Results	Failed Results
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EXHIBIT 6
SHEET 43 OF 61

TRANSMITTER RADIATED SPURIOUS EMISSIONS: ANDORRA REFRESH 403-527MHZ 4W
MODEL #: XPR 3500E TX ANALOG Battery: PMNN4418BR
02801-EMC-00014

[illegible]

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin
FCC Registration: 772092 Industry Canada: 109AK August 18, 2015

Remarks:** Indicates the spurious emission could not be detected due to noise limitations or ambients.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:	Passed Results	Marginal Results	Failed Results
			Temp(Deg): 23.4 Hum(%RH): 71.6

FCC ID: AZ489FT7068
IC ID: 109U-89ET7068

Battery: PMNN4418BR

467.775 MHz

467.775 MHz

25 kHz

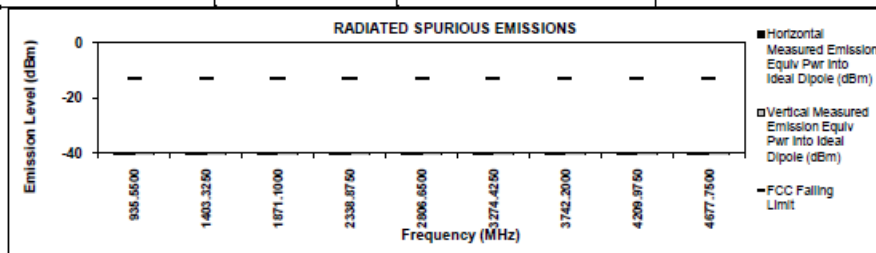
Battery: PMNN4418BR

467.775 MHz

25 kHz

1 Watt(s)/Low Power

S/N: 867TRM0684

[illegible]

Sat, Jun 13, 2015

Industry Canada: 109AK

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.2 Hum(%RH): 71.4

Temp(Deg): 24.2 Hum(%RH): 71.4

Remarks:

Passed Results

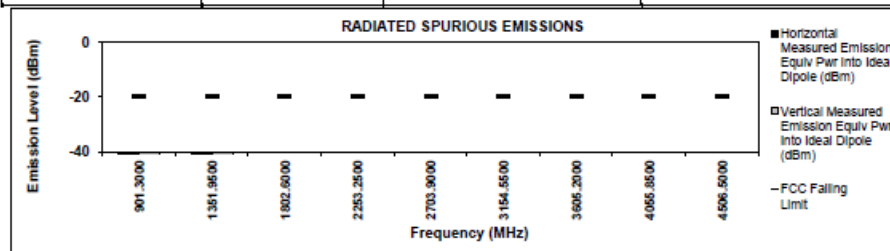
Marginal Results

Failed Results

6G-5: 1W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing, Analog Mode

FCC ID: AZ489FT7068
IC ID: 109U-89FT7068

MODEL #: XPR 3500E TX Digital Battery: PMNN4418BR)
02801-EMC-00014

[illegible]

Remarks:

Passed Results	Marginal Results	Failed Results
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6G-8: 4.8W Harmonic of Carrier 450.65 MHz, 12.5 kHz Channel Spacing, Digital Mode

FCC ID: AZ489FT7068
IC ID: 109U-89ET7068

Battery: PMNN4418BR

511.9875 MHz

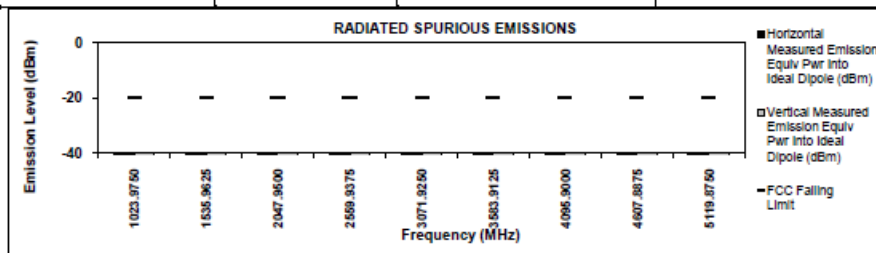
511.9875 MHz

511.9875 MHz

12.5 kHz

4.8 Watt(s)/Max Power

S/N: 867TRM0684

[illegible]

Industry Canada: 109AK

Remarks:

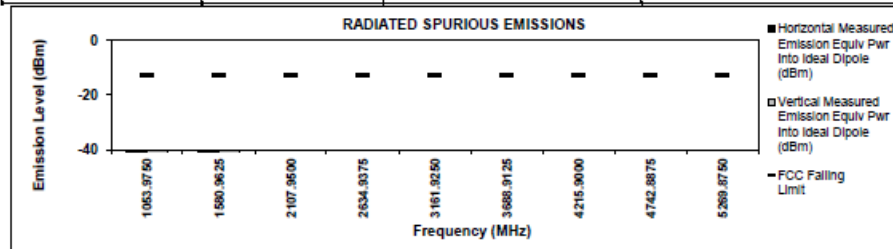
Passed Results

Marginal Results

Failed Results

FCC ID: AZ489FT7068
IC ID: 109U-89FT7068

MODEL #: XPR 3500E TX Digital Battery: PMNN4418BR
02801-EMC-00014

[illegible]

Failed Results

6G-12: 4.8W Harmonic of Carrier 526.9875 MHz, 12.5 kHz Channel Spacing, Digital Mode(Not applicable for FCC/IC)

FCC ID: AZ489FT7068
IC ID: 109U-89FT7068

MODEL #: XPR 3500E TX ANALOG Battery: PMNN4418BR
02801-EMC-00014

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

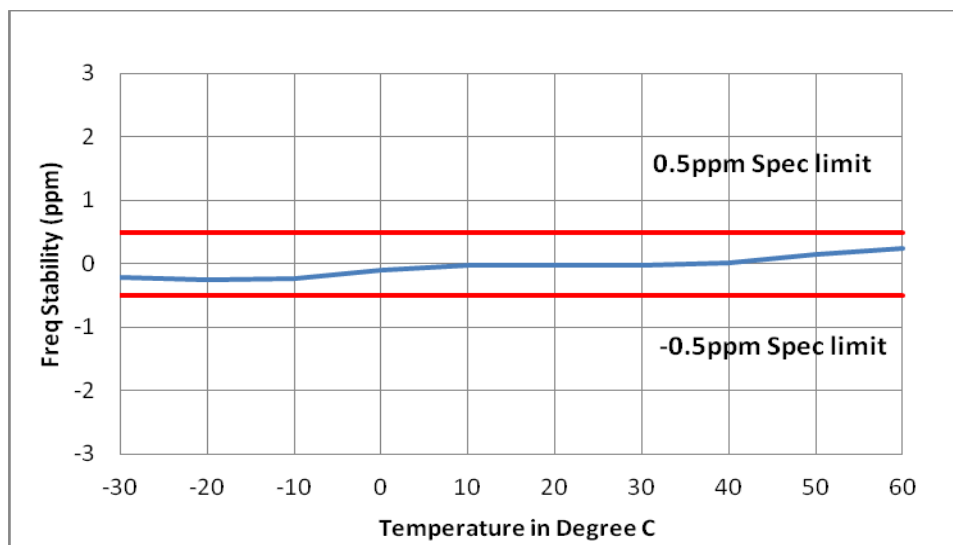
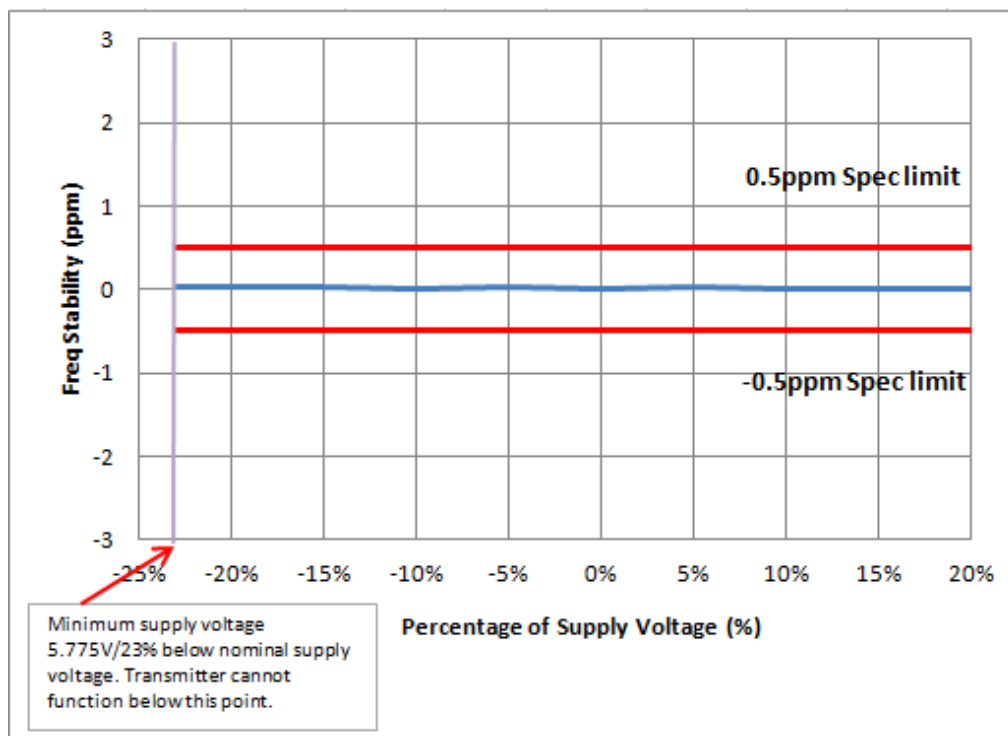
EXHIBIT 6H**Frequency Stability****Figure 6H-1:** 467.775 MHz, 0.5 ppm Frequency Stability vs. Temperature**Figure 6H-2:** 467.775 MHz, 0.5 ppm Frequency Stability vs. Supply Voltage

EXHIBIT 6I

TRANSIENT FREQUENCY BEHAVIOR

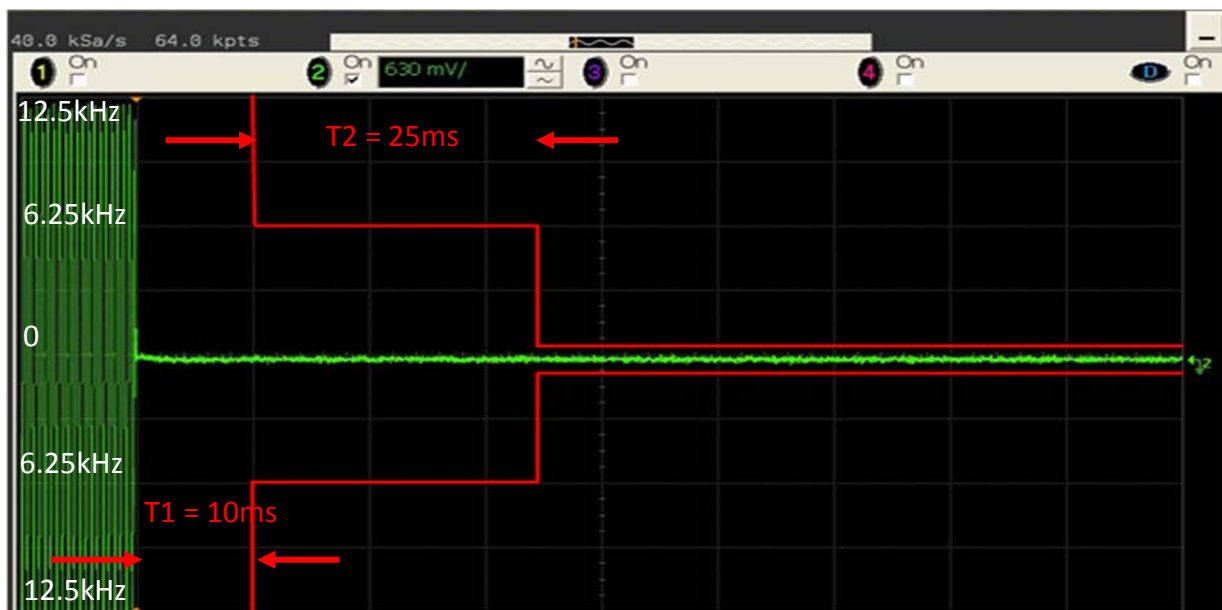


Figure 6I-1: TX 467.775 MHz – 12.5 kHz Channel Spacing – Transmitters On

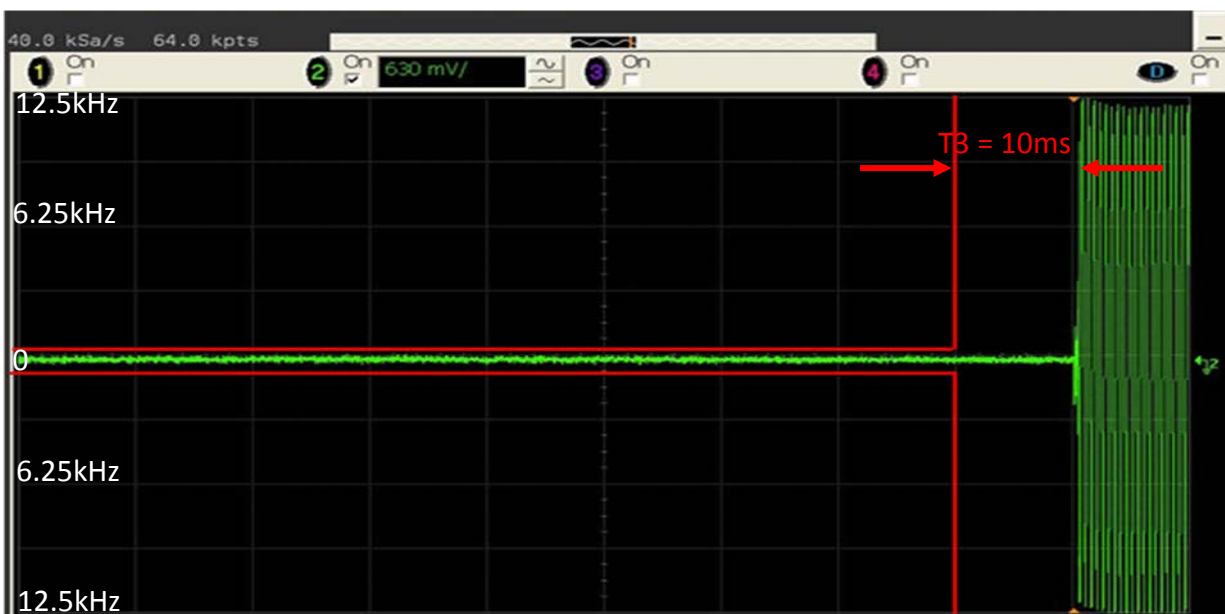


Figure 6I-2: TX 467.775 MHz – 12.5 kHz Channel Spacing – Transmitters Off

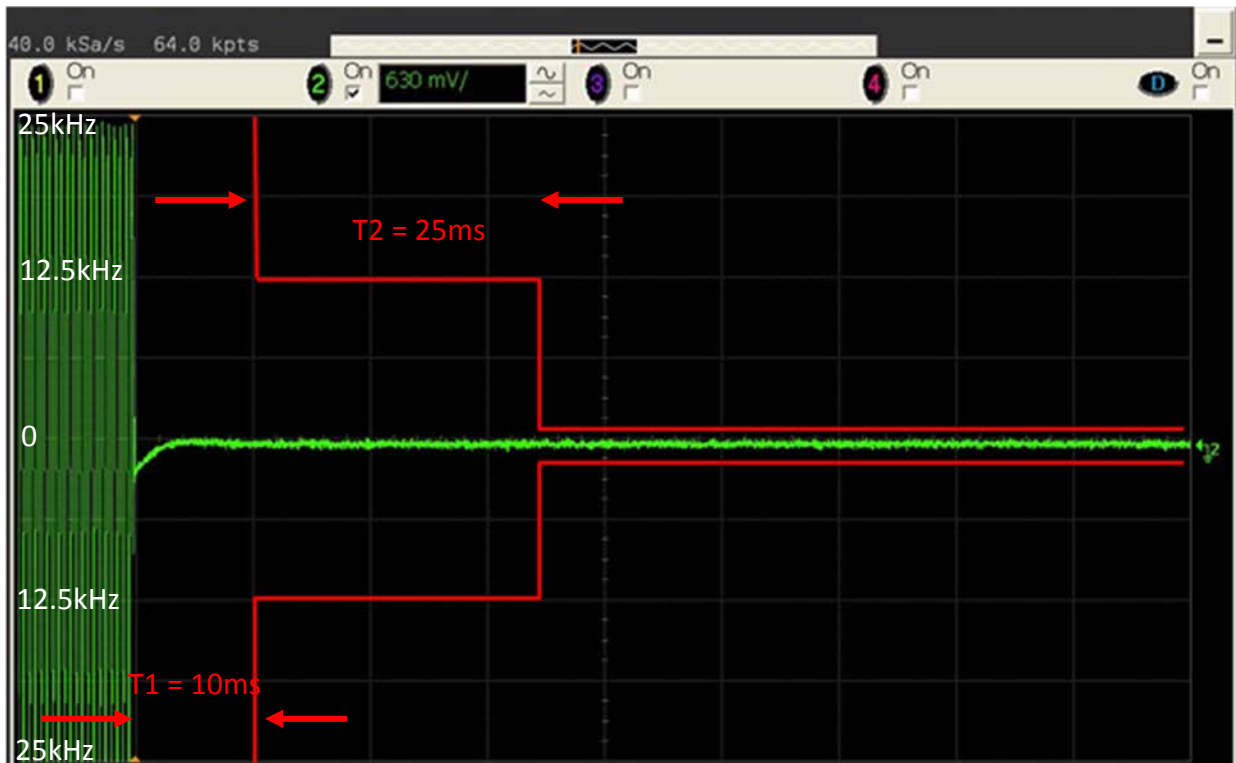


Figure 6I-3: TX 467.775 MHz – 25 kHz Channel Spacing – Transmitters On

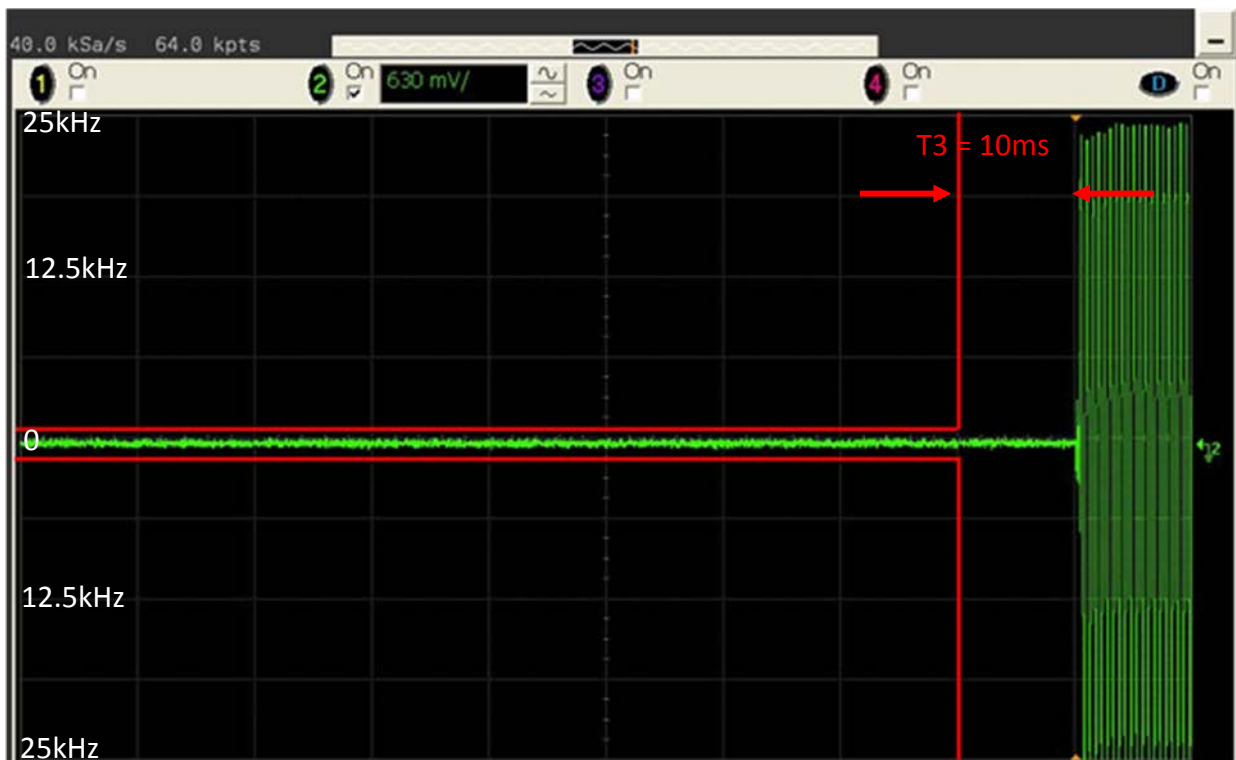


Figure 6I-4: TX 467.775 MHz – 25 kHz Channel Spacing – Transmitters Off